

# STIKO

## TEMPERATURE PRESSURE CALIBRATION



## PRICE LIST 2025 GAUGES WITH SEALS

# STIKO

## GENERAL INFORMATION

- This documentation is for **pressure gauges** with chemical seals manufactured by STIKO, "Made in Holland".

## CERTIFICATION

- Certificates of Conformity to the company's published specifications are available on request for all STIKO manufactured products according to EN 10204 (2.2).
- Certificates of Calibration for all STIKO manufactured products are also available. These certificates indicate deviations from standards traceable to R V A - D K D (Dutch - German National Standards).

The results are recorded in a certificate which include calibration date, instrument serial number, type number and the R V A or D K D standard used.

- Material Certificates according to EN 10204 (3.1) for all STIKO manufactured products are also available in the form of certificate copies that indicate specifications of the materials used.

## WARRANTY AND REPAIR SERVICE

- A warranty period of 24 months is applicable for all instruments.
- An efficient repair and spare part service is available at competitive rates for STIKO products as well as products of other manufacturers.

Instruments for repair should be sent carriage paid and labelled with the sender's name and address, together with a brief description of the work required.

Please note that instruments need to be cleaned before they are returned.

If the instrument is leaking, please seal it in a plastic bag.

If you need a repair quotation, please indicate this on your document.

Repair quotations cannot be made before inspection of the products.

Lead-times upon request.



STIKO has more than 60 years of experience in manufacturing state-of-the-art mechanical instruments in the area of **TEMPERATURE, PRESSURE and PRESSURE CALIBRATION**.

STIKO is ISO-9001-2015 approved and we develop and manufacture all our instruments according to PED (2014/68/EU).

**STIKO - Industrieweg 5, 9301 LM Roden, The Netherlands.**

# STIKO Pressure Gauges with Seals

## STEP 1 - Types of cases

|                            |        |
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| Remote chemical seals (in combination with capillary - model PFS) | Page 8 |

## STEP 2 - Gauges with Sanitary Seals

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## Ranges and Options

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## Drawings

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| Drawings | Page 17 |
|----------|---------|

Besides pressure gauges with various seals, STIKO manufactures many types of pressure gauges also "made in Holland".

Our product categories include high pressure gauges, test gauges, subsea gauges, differential gauges, contact gauges, but also chart recorders, gas-actuated thermometers and calibration equipment.

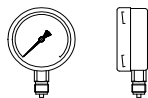
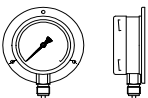
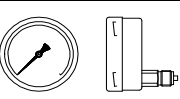
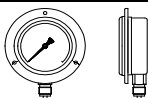
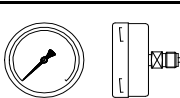
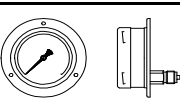
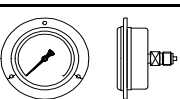
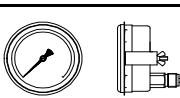
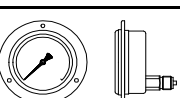
Where needed, most products can be tailor-made to customer specifications.

## STEP 1 - Gauge

### Gauge type PBX, prices excluding the chemical/sanitary seal (STEP 2)

#### STANDARD MODEL

|                     |                                                                                |                 |                                                                                                            |
|---------------------|--------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------|
| <b>CASE</b>         | : bayonet lock, AISI304/1.4301, IP-65<br>standard with blow-out                | <b>RANGE</b>    | : from -1/0 and 0-0,6 - 60 bar, acc. to EN 837-1<br>for higher pressure ranges see page 14                 |
| <b>WETTED PARTS</b> | : AISI316Ti/1.4571                                                             | <b>ACCURACY</b> | : case Ø 63 and Ø 80 mm ±1.6% F.S. / class 1.6<br>case Ø100, Ø160, Ø200 and Ø250 mm ±1.0% F.S. / class 1.0 |
| <b>WINDOW</b>       | : mineral glass 4 mm                                                           | <b>MOVEMENT</b> | : stainless steel AISI304/1.4301                                                                           |
| <b>DIAL</b>         | : aluminium, black figures on white                                            | <b>OPTIONS</b>  | : see pages 15-16                                                                                          |
| <b>POINTER</b>      | : aluminium, black                                                             | <b>TPROCESS</b> | : max. 100 ° C. T ambient = MAX 60°C                                                                       |
| <b>CONNECTION</b>   | : Ø63 and Ø80 mm: ¼"BSP or ¼"NPT<br>Ø100, Ø160, Ø200 and Ø250 : ½"BSP or ½"NPT |                 |                                                                                                            |

| TYPE              | MODEL                                                                               | CASE DIAMETER (Ø in mm) |          |          |          |          |          |
|-------------------|-------------------------------------------------------------------------------------|-------------------------|----------|----------|----------|----------|----------|
|                   |                                                                                     | 63                      | 80       | 100      | 160      | 200      | 250      |
| <b>A</b>          |    | P**063XA                | P**080XA | P**100XA | P**160XA | P**200XA | P**250XA |
| <b>B</b>          |    | P**063XB                | P**080XB | P**100XB | P**160XB | P**200XB | P**250XB |
| <b>C</b>          |    | P**063XC                | P**080XC | P**100XC | P**160XC | P**200XC | P**250XC |
| <b>D</b>          |   | P**063XD                | P**080XD | P**100XD | P**160XD | P**200XD | P**250XD |
| <b>E</b>          |  | P**063XE                | P**080XE | P**100XE | P**160XE | P**200XE | P**250XE |
| <b>F</b>          |  | P**063XF                | P**080XF | P**100XF | P**160XF | P**200XF | P**250XF |
| <b>G</b>          |  | P**063XG                | P**080XG | P**100XG | P**160XG | P**200XG | P**250XG |
| <b>H</b>          |  | P**063XH                | P**080XH | P**100XH | P**160XH | P**200XH | P**250XH |
| <b>J</b>          |  | P**063XJ                | P**080XJ | P**100XJ | P**160XJ | P**200XJ | P**250XJ |
| OPTION            |                                                                                     | EXTRA COSTS             |          |          |          |          |          |
| <b>Connection</b> | at 3, 9, 12 hrs                                                                     | 29,60                   |          |          |          |          |          |
| <b>Lx</b>         | GLYCERINE CASE FILLING *                                                            | PBX063Lx                | PBX080Lx | PBX100Lx | PBX160Lx | N.A.     | PBX250Lx |
|                   | SILICONE OIL CASE FILLING *                                                         | PBX063Lx                | PBX080Lx | PBX100Lx | PBX160Lx | N.A.     | PBX250Lx |
|                   | RESISTANCE OIL CASE FILLING *                                                       | PBX063Lx                | PBX080Lx | PBX100Lx | PBX160Lx | N.A.     | PBX250Lx |

N.A.

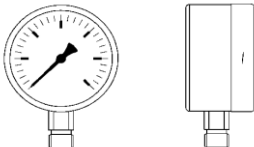
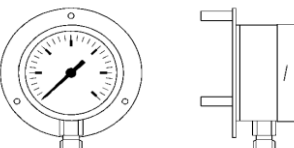
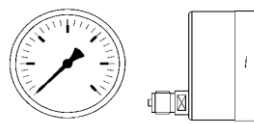
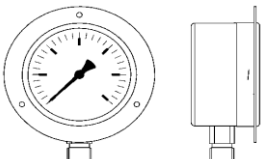
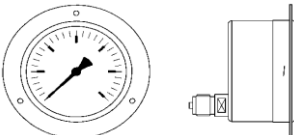
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## STEP 1 - Gauge

### Gauge type PBX-SF, prices excluding the chemical/sanitary seal (STEP 2)

#### STANDARD MODEL

|                     |                                                                                       |                    |                                                                                   |
|---------------------|---------------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------|
| <b>CASE</b>         | : bayonet lock, AISI304/1.4301, IP-65<br>solid front & blow-out back acc. to EN 837-1 | <b>RANGE</b>       | : -1/0 and 0-0,6 - 60 bar,<br>acc. to EN 837-1<br>for higher ranges : see page 14 |
| <b>WETTED PARTS</b> | : bourdon tube + connection AISI316Ti/1.4571                                          | <b>ACCURACY</b>    | : case Ø 63 : ± 1.6% F.S. / class 1.6<br>case Ø100 and Ø160 : ± 1.0% F.S./class 1 |
| <b>WINDOW</b>       | : safety glass                                                                        | <b>MOVEMENT</b>    | : AISI304/1.4301                                                                  |
| <b>DIAL</b>         | : aluminium, black figures on white                                                   | <b>APPLICATION</b> | : general and heavy industry                                                      |
| <b>POINTER</b>      | : aluminium, black                                                                    | <b>OPTIONS</b>     | : see pages 15-16                                                                 |
| <b>CONNECTION</b>   | : Ø63mm: ¼"BSP or ¼"NPT<br>Ø100 and Ø160mm : ½"BSP or ½"NPT                           |                    |                                                                                   |

| TYPE        | MODEL                                                                               | CASE DIAMETER ( Ø in mm) |                      |                      |
|-------------|-------------------------------------------------------------------------------------|--------------------------|----------------------|----------------------|
|             |                                                                                     | 63                       | 100                  | 160                  |
| <b>A</b>    |    | P**-SF063XA              | P**-SF100XA          | P**-SF160XA          |
| <b>B</b>    |   | P**-SF063XB              | P**-SF100XB          | P**-SF160XB          |
| <b>C</b>    |  | P**-SF063XC              | P**-SF100XC          | N.A.                 |
| <b>D</b>    |  | P**-SF063XD              | P**-SF100XD          | P**-SF160XD          |
| <b>J</b>    |  | P**-SF063XJ              | P**-SF100XJ          | N.A.                 |
| OPTIONS     |                                                                                     | EXTRA COSTS              |                      |                      |
| <b>Lx</b>   | GLYCERINE CASE FILLING *                                                            | P**-SF063Lx              | P**-SF100Lx          | P**-SF160Lx          |
|             | SILICON OIL CASE FILLING *                                                          | P**-SF063Lx              | P**-SF100Lx          | P**-SF160Lx          |
|             | RESISTANCE OIL CASE FILLING *                                                       | 24,90<br>P**-SF063Lx     | 31,80<br>P**-SF100Lx | 47,80<br>P**-SF160Lx |
| <b>O2 *</b> | for Oxygen use (max. 600 bar)                                                       | O.D.                     |                      |                      |

O.D.

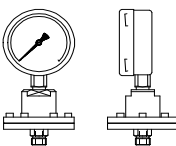
ON DEMAND

N.A.

NOT AVAILABLE

## STEP 2 - seal

### Chemical seal for type PBS, prices excluding the gauge, see STEP 1

| STANDARD MODEL                                                                                                                                                                                                                                                                                                              |                                                                                                           |                                                                                                  |                        |                                                                                                                                                                                                                                                                                                                                                               |                             |      |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------|-----------------|
| <b>CASE</b> : bayonet lock, AISI304/1.4301, IP-65 standard with blow-out device<br><b>WETTED PARTS</b> : AISI316L/1.4435, other on demand<br><b>WINDOW</b> : mineral glass 4 mm<br><b>DIAL</b> : aluminium, black figures on white<br><b>POINTER</b> : aluminium, black<br><b>MOVEMENT</b> : stainless steel AISI304/1.4301 |                                                                                                           | <br>PBS100XA-06 |                        | <b>RANGE</b> : 0-1 up to 0-600 bar acc. to EN 837-1, see below table for pressure range surpluses above 60 bar: see page 14<br><b>ACCURACY</b> : case Ø 63 and Ø 80 mm: ±1.6% F.S./class 1.6<br>case Ø 100, Ø 160, Ø 200, Ø 250 mm: ±1.0% F.S. /class 1.0<br><b>Tprocess</b> : -20/+120 °C (-40°C up to +200°C on demand)<br><b>OPTIONS</b> : see pages 15-16 |                             |      |                 |
| TYPE                                                                                                                                                                                                                                                                                                                        | SEAL MODEL                                                                                                | DN                                                                                               | MINIMUM PN             | MAXIMUM PN                                                                                                                                                                                                                                                                                                                                                    | CASE DIAMETER xxx (Ø in mm) |      |                 |
|                                                                                                                                                                                                                                                                                                                             |                                                                                                           |                                                                                                  |                        |                                                                                                                                                                                                                                                                                                                                                               | 63 / 80                     | 100  | 160 / 200 / 250 |
| PBSxxxXA-01*                                                                                                                                                                                                                                                                                                                | <br>FLUSH DIAPHRAGM      | ½"BSP                                                                                            | 25 bar                 | 600 bar                                                                                                                                                                                                                                                                                                                                                       |                             |      | N.A.            |
| PBSxxxXA-02                                                                                                                                                                                                                                                                                                                 |                                                                                                           | ½"NPT                                                                                            | 25 bar                 | 600 bar                                                                                                                                                                                                                                                                                                                                                       |                             |      | N.A.            |
| PBSxxxXA-03                                                                                                                                                                                                                                                                                                                 |                                                                                                           | ¾"BSP                                                                                            | 16 bar                 | 600 bar                                                                                                                                                                                                                                                                                                                                                       |                             |      | N.A.            |
|                                                                                                                                                                                                                                                                                                                             |                                                                                                           | ¾"NPT                                                                                            | 25 bar                 | 600 bar                                                                                                                                                                                                                                                                                                                                                       |                             |      | N.A.            |
| PBSxxxXA-04                                                                                                                                                                                                                                                                                                                 | <br>FLUSH DIAPHRAGM      | 1"BSP                                                                                            | 4 bar<br>(6 bar ø160)  | 600 bar                                                                                                                                                                                                                                                                                                                                                       |                             |      |                 |
| PBSxxxXA-05                                                                                                                                                                                                                                                                                                                 |                                                                                                           | 1"NPT                                                                                            | 6 bar<br>(10 bar ø160) | 600 bar                                                                                                                                                                                                                                                                                                                                                       |                             |      |                 |
| PBSxxxXA-06                                                                                                                                                                                                                                                                                                                 | <br>INTERNAL DIAPHRAGM   | ½"BSP                                                                                            | 1,6 bar                | 250 bar                                                                                                                                                                                                                                                                                                                                                       |                             |      |                 |
| PBSxxxXA-07                                                                                                                                                                                                                                                                                                                 |                                                                                                           | ½"NPT                                                                                            | 1,6 bar                | 250 bar                                                                                                                                                                                                                                                                                                                                                       |                             |      |                 |
| PBSxxxXA-09                                                                                                                                                                                                                                                                                                                 | <br>INTERNAL DIAPHRAGM  | ½"BSP/NPT                                                                                        | 1 bar                  | 40 bar                                                                                                                                                                                                                                                                                                                                                        |                             |      |                 |
| PBSxxxXA-10                                                                                                                                                                                                                                                                                                                 |                                                                                                           | ½"NPT                                                                                            | 100 bar                | 250 bar                                                                                                                                                                                                                                                                                                                                                       |                             |      |                 |
| PBSxxxXA-11                                                                                                                                                                                                                                                                                                                 | <br>INTERNAL DIAPHRAGM | ½"BSP/NPT female                                                                                 | 1 bar                  | 100 bar                                                                                                                                                                                                                                                                                                                                                       |                             | O.D. |                 |
| PBSxxxXA-12                                                                                                                                                                                                                                                                                                                 |                                                                                                           | ½"NPT female                                                                                     | 100 bar                | 250 bar                                                                                                                                                                                                                                                                                                                                                       |                             | O.D. |                 |
| PBSxxxXA-13                                                                                                                                                                                                                                                                                                                 | <br>I-TYPE             | ¾-1"ANSI or DN20-25                                                                              | 1 bar                  | 150# or PN40                                                                                                                                                                                                                                                                                                                                                  |                             | O.D. |                 |
| PBSxxxXA-14                                                                                                                                                                                                                                                                                                                 |                                                                                                           | 1½"ANSI or DN40                                                                                  | 1 bar                  | 150# or PN40                                                                                                                                                                                                                                                                                                                                                  |                             | O.D. |                 |
| PBSxxxXA-15                                                                                                                                                                                                                                                                                                                 |                                                                                                           | 2"ANSI or DN50                                                                                   | 1 bar                  | 150# or PN40                                                                                                                                                                                                                                                                                                                                                  |                             | O.D. |                 |
| PBSxxxXA-16                                                                                                                                                                                                                                                                                                                 | <br>FLUSH DIAPHRAGM    | DN25                                                                                             | 4 bar<br>(6 bar ø160)  | PN40                                                                                                                                                                                                                                                                                                                                                          |                             |      |                 |
| PBSxxxXA-17                                                                                                                                                                                                                                                                                                                 |                                                                                                           | 1"ANSI                                                                                           | 4 bar<br>(6 bar ø160)  | 150#                                                                                                                                                                                                                                                                                                                                                          |                             |      |                 |
| PBSxxxXA-18                                                                                                                                                                                                                                                                                                                 |                                                                                                           | DN40                                                                                             | 1 bar                  | PN40                                                                                                                                                                                                                                                                                                                                                          |                             |      |                 |
|                                                                                                                                                                                                                                                                                                                             |                                                                                                           | 1½"ANSI                                                                                          | 1 bar                  | 150#                                                                                                                                                                                                                                                                                                                                                          |                             |      |                 |
|                                                                                                                                                                                                                                                                                                                             |                                                                                                           | DN50                                                                                             | 1 bar                  | PN40                                                                                                                                                                                                                                                                                                                                                          |                             |      |                 |
| PBSxxxXA-19                                                                                                                                                                                                                                                                                                                 | <br>OPEN FLANGE        | DN15-20                                                                                          | 1 bar                  | PN40                                                                                                                                                                                                                                                                                                                                                          |                             |      |                 |
| PBSxxxXA-20                                                                                                                                                                                                                                                                                                                 |                                                                                                           | 1/2"ANSI                                                                                         |                        | 150#                                                                                                                                                                                                                                                                                                                                                          |                             |      |                 |
| PBSxxxXA-21                                                                                                                                                                                                                                                                                                                 |                                                                                                           | DN25                                                                                             |                        | PN40                                                                                                                                                                                                                                                                                                                                                          |                             |      |                 |
|                                                                                                                                                                                                                                                                                                                             |                                                                                                           | 1"ANSI                                                                                           |                        | 150#                                                                                                                                                                                                                                                                                                                                                          |                             |      |                 |
|                                                                                                                                                                                                                                                                                                                             |                                                                                                           | DN50                                                                                             |                        | PN40                                                                                                                                                                                                                                                                                                                                                          |                             |      |                 |
|                                                                                                                                                                                                                                                                                                                             |                                                                                                           | 2"ANSI                                                                                           |                        | 150#                                                                                                                                                                                                                                                                                                                                                          |                             |      |                 |
| PBSxxxXA-22                                                                                                                                                                                                                                                                                                                 | <br>PAPER-SEAL         | DN 48 tube 6,5mm                                                                                 | 1,6 bar                | 40 bar                                                                                                                                                                                                                                                                                                                                                        |                             |      |                 |
| PBSxxxXA-23                                                                                                                                                                                                                                                                                                                 |                                                                                                           | DN 48 tube 15mm                                                                                  |                        |                                                                                                                                                                                                                                                                                                                                                               |                             |      |                 |
| PBSxxxXA-24                                                                                                                                                                                                                                                                                                                 | <br>PVC-SEAL           | ½"BSP/NPT female                                                                                 | 2,5 bar                | 10 bar                                                                                                                                                                                                                                                                                                                                                        |                             |      |                 |
| PBSxxxXA-25                                                                                                                                                                                                                                                                                                                 |                                                                                                           | ½"NPT female                                                                                     |                        |                                                                                                                                                                                                                                                                                                                                                               |                             |      |                 |
| PBSxxxXA-26                                                                                                                                                                                                                                                                                                                 | <br>MINI-SEAL          | ½"BSP/NPT                                                                                        | 1 bar                  | 160 bar                                                                                                                                                                                                                                                                                                                                                       |                             |      |                 |

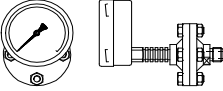
» Other ranges, pressure ratings, flange sizes, materials and connections on demand

\* PBX100XA-01 (in a ø100mm case) will be a class 1,6 system

N.A.

NOT AVAILABLE

## STEP 2 - seal

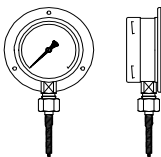
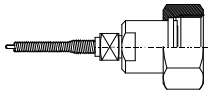
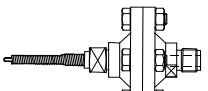
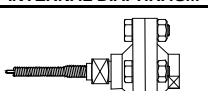
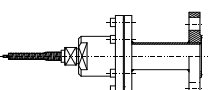
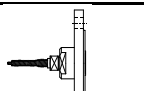
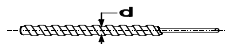
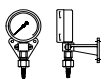
| OPTIONS                                             |                                                                                                                                | EXTRA COSTS                 |                       |                   |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------|-------------------|
|                                                     |                                                                                                                                | CASE DIAMETER xxx (Ø in mm) |                       |                   |
|                                                     |                                                                                                                                | 63 / 80                     | 100                   | 160 / 200 / 250   |
| PTFE Foil *                                         | PTFE FOIL ON DIAPHRAGM<br>(types: 09-10-11-12-13-14-15-19-20-21)                                                               |                             |                       |                   |
| PTFE wetted parts*                                  | PTFE FOIL ON DIAPHRAGM<br>PTFE LINING ON WETTED PARTS<br>(types: 09-10-11-12-13-14-15-19-20-21)                                | O.D                         |                       |                   |
| COOLING ELEMENT                                     |  <p>FOR PROCESS TEMPERATURES UP TO +200°C</p> |                             |                       |                   |
| Options wetted parts<br>for PBS types<br>16, 17, 18 | REMARKS                                                                                                                        | EXTRA COSTS                 |                       |                   |
|                                                     |                                                                                                                                | 1 " ANSI<br>DN 25           | 1 1/2 " ANSI<br>DN 40 | 2 " ANSI<br>DN 50 |
| Duplex / 1.4462                                     |                                                                                                                                | O.D.                        | O.D.                  | O.D.              |
| PTFE Foil*                                          | temperature <= 250 ° C.                                                                                                        |                             |                       |                   |
| Hastelloy C276 / 2.4819                             |                                                                                                                                |                             |                       |                   |
| Hastelloy C4 / 2.4610                               |                                                                                                                                | O.D.                        | O.D.                  | O.D.              |
| Monel / 2.4360                                      |                                                                                                                                |                             |                       |                   |
| Tantalum                                            | temperature <= 250 ° C.                                                                                                        |                             |                       |                   |
| Titanium / 3.7035                                   | temperature <= 250 ° C.                                                                                                        |                             |                       |                   |
| Uranus B6 / 1.4539                                  |                                                                                                                                | O.D.                        | O.D.                  | O.D.              |
| Other materials                                     |                                                                                                                                | O.D.                        | O.D.                  | O.D.              |

O.D.

ON DEMAND

## STEP 2 - seal

### Chemical seal for type PFS, prices excluding the gauge, see STEP 1

| STANDARD MODEL                                                                                                                                                                                                                                                                                                                                                    |                                                                                                          |                            |                                                                                                         |                 |                                                                                                                                                                                                                                                                                                                                                                |    |                        |                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------------------|-----------------|
| <b>CASE</b> : bayonet lock, AISI304/1.4301, IP-65<br>blow-out<br><b>WETTED PARTS</b> : AISI316L/1.4435, others on demand<br><b>WINDOW</b> : mineral glass 4 mm<br><b>DIAL</b> : aluminium, black figures on white<br><b>POINTER</b> : aluminium, black<br><b>MOVEMENT</b> : stainless steel AISI304/1.4301<br><b>CAPILLARY</b> : AISI304/1.4301 plain or armoured |                                                                                                          |                            | <br><b>PFSxxxXB-xx</b> |                 | <b>RANGE</b> : 0-1.6 up to 0-600 bar acc. to EN 837-1, see below table<br>for pressure range surplusses above 60 bar: see page 14<br><b>ACCURACY</b> : case Ø 63 and Ø 80 mm: ±1.6% F.S./class 1.6<br>case Ø 100 and Ø 160 mm: ±1.0% F.S. /class 1.0<br><b>Tprocess</b> : -20/+120° Celcius (-40°C up to +400°C on demand)<br><b>OPTIONS</b> : see pages 15-16 |    |                        |                 |
| TYPE                                                                                                                                                                                                                                                                                                                                                              | SEAL MODEL                                                                                               | DN                         | MINIMUM<br>PN                                                                                           | MAXIMUM<br>PN   | CASE DIAMETER xxx (Ø in mm)                                                                                                                                                                                                                                                                                                                                    |    |                        |                 |
|                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                          |                            |                                                                                                         |                 | 63                                                                                                                                                                                                                                                                                                                                                             | 80 | 100                    | 160 / 200 / 250 |
| PFSxxxXB-04                                                                                                                                                                                                                                                                                                                                                       | <br>FLUSH DIAPHRAGM     | 1"BSP<br>TURNING<br>NIPPLE | 25 bar                                                                                                  | 600 bar         | N.A.                                                                                                                                                                                                                                                                                                                                                           |    |                        |                 |
| PFSxxxXB-05                                                                                                                                                                                                                                                                                                                                                       |                                                                                                          | 1¼" BSP<br>COUPLING<br>NUT | 25 bar                                                                                                  | 600 bar         |                                                                                                                                                                                                                                                                                                                                                                |    |                        |                 |
| PFSxxxXB-09*                                                                                                                                                                                                                                                                                                                                                      | <br>INTERNAL DIAPHRAGM  | ½"BSP/NPT<br>MALE          | 1.6 bar                                                                                                 | 100 bar         |                                                                                                                                                                                                                                                                                                                                                                |    |                        |                 |
| PFSxxxXB-10*                                                                                                                                                                                                                                                                                                                                                      |                                                                                                          | ½"BSP/NPT<br>MALE          | 100 bar                                                                                                 | 250 bar         |                                                                                                                                                                                                                                                                                                                                                                |    |                        |                 |
| PFSxxxXB-11*                                                                                                                                                                                                                                                                                                                                                      | <br>INTERNAL DIAPHRAGM  | ½"BSP/NPT<br>FEMALE        | 1.6 bar                                                                                                 | 100 bar         |                                                                                                                                                                                                                                                                                                                                                                |    |                        |                 |
| PFSxxxXB-12*                                                                                                                                                                                                                                                                                                                                                      |                                                                                                          | ½"BSP/NPT<br>FEMALE        | 100 bar                                                                                                 | 250 bar         |                                                                                                                                                                                                                                                                                                                                                                |    |                        |                 |
| PFSxxxXB-13*                                                                                                                                                                                                                                                                                                                                                      | <br>INTERNAL DIAPHRAGM | 1"ANSI or<br>DN25          | 1.6 bar                                                                                                 | 150# or<br>PN16 |                                                                                                                                                                                                                                                                                                                                                                |    |                        |                 |
| PFSxxxXB-14*                                                                                                                                                                                                                                                                                                                                                      |                                                                                                          | 1½"ANSI or<br>DN40         | 1.6 bar                                                                                                 | 150# or<br>PN40 |                                                                                                                                                                                                                                                                                                                                                                |    |                        |                 |
| PFSxxxXB-15*                                                                                                                                                                                                                                                                                                                                                      |                                                                                                          | 2"ANSI or<br>DN50          | 1.6 bar                                                                                                 | 150# or<br>PN40 |                                                                                                                                                                                                                                                                                                                                                                |    |                        |                 |
| PFSxxxXB-16*                                                                                                                                                                                                                                                                                                                                                      | <br>FLUSH DIAPHRAGM   | 1"ANSI or<br>DN25          | 2.5 bar                                                                                                 | 150# or<br>PN40 |                                                                                                                                                                                                                                                                                                                                                                |    |                        |                 |
| PFSxxxXB-17*                                                                                                                                                                                                                                                                                                                                                      |                                                                                                          | 1½"ANSI or<br>DN40         | 1.6 bar                                                                                                 | 150# or<br>PN40 |                                                                                                                                                                                                                                                                                                                                                                |    |                        |                 |
| PFSxxxXB-18*                                                                                                                                                                                                                                                                                                                                                      |                                                                                                          | 2"ANSI or<br>DN50          | 1.6 bar                                                                                                 | 150# or<br>PN40 |                                                                                                                                                                                                                                                                                                                                                                |    |                        |                 |
| CAPILLARY TUBE                                                                                                                                                                                                                                                                                                                                                    |                                                                                                          |                            |                                                                                                         |                 | EXTRA COSTS                                                                                                                                                                                                                                                                                                                                                    |    |                        |                 |
| PLAIN<br>CAPILLARY                                                                                                                                                                                                                                                                                                                                                |                       |                            | AISI321<br>d= 3,2 mm                                                                                    |                 | FIRST 1000 mm:                                                                                                                                                                                                                                                                                                                                                 |    | PER 1000 mm<br>EXTRA:  |                 |
| ARMOURED<br>CAPILLARY                                                                                                                                                                                                                                                                                                                                             |                       |                            | AISI304<br>d= 7 mm                                                                                      |                 | FIRST 1000 mm:                                                                                                                                                                                                                                                                                                                                                 |    | PER 1000 mm<br>EXTRA : |                 |
| ARMOURED<br>CAPILLARY                                                                                                                                                                                                                                                                                                                                             |                       |                            | AISI316<br>d= 7 mm                                                                                      |                 | FIRST 1000 mm:                                                                                                                                                                                                                                                                                                                                                 |    | PER 1000 mm<br>EXTRA:  |                 |
| OPTIONS                                                                                                                                                                                                                                                                                                                                                           | MODEL                                                                                                    |                            |                                                                                                         |                 | CASE DIAMETER xxx (Ø in mm)                                                                                                                                                                                                                                                                                                                                    |    |                        |                 |
|                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                          |                            |                                                                                                         |                 | 63                                                                                                                                                                                                                                                                                                                                                             | 80 | 100                    | 160 / 200 / 250 |
| PFSxxxXA-xx                                                                                                                                                                                                                                                                                                                                                       |                       |                            | WALL-MOUNTING BRACKET<br>BOTTOM ENTRY                                                                   |                 |                                                                                                                                                                                                                                                                                                                                                                |    |                        |                 |

\* Other pressure ratings, flange sizes, materials and in-line connections on demand

N.A.

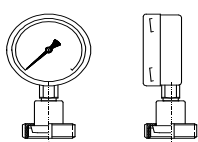
NOT AVAILABLE

## STEP 2 - seal

### Chemical seal for type PBQ, prices excluding the gauge, see STEP 1

#### STANDARD MODEL

**CASE** : bayonet lock, AISI304/1.4301, IP-65 standard with blow-out device  
**WETTED PARTS** : flush diaphragm, AISI316L/1.4435  
**SURFACE** : standard 0,8 µm  
**WINDOW** : mineral glass 4 mm  
**DIAL** : aluminium, black figures on white  
**POINTER** : aluminium, black



PBQ100XA-01

**MOVEMENT** : stainless steel AISI304/1.4301  
**RANGE** : 0-1 up to 0-600 bar acc. to EN 837-1, see below table  
 for pressure range surplusses above 60 bar: see page 14  
**ACCURACY** : case Ø 63 and Ø 80 mm: ±1.6% F.S./class 1.6  
 case Ø 100 and Ø 160 mm: ±1.0% F.S. /class 1.0  
**Tprocess** : -20°/+120° Celcius (-40°C up to 250°C on demand)  
**OPTIONS** : see pages 15-16

| TYPE         | NORM                      | SEAL MODEL                                                                                                        | DN         | MINIMUM PN | CASE DIAMETER xxx (mm) |     |                 |
|--------------|---------------------------|-------------------------------------------------------------------------------------------------------------------|------------|------------|------------------------|-----|-----------------|
|              |                           |                                                                                                                   |            |            | 63 / 80                | 100 | 160 / 200 / 250 |
| PBQxxxXA-01  | <b>DIN 11 851</b>         | <br>GLAND PIECE + COUPLING NUT   | 1" DN25    | 6 bar      |                        |     |                 |
| PBQxxxXA-02  |                           |                                                                                                                   | 1½" DN40   | 1 bar      |                        |     |                 |
| PBQxxxXA-03  |                           |                                                                                                                   | 2" DN50    | 1 bar      |                        |     |                 |
| PBQxxxXA-04  |                           | <br>THREAD PIECE                 | 1½" DN40   | 1 bar      |                        |     |                 |
| PBQxxxXA-05  |                           |                                                                                                                   | 2" DN50    | 1 bar      |                        |     |                 |
| PBQxxxXA-010 | <b>DIN 11 864-1</b>       | <br>GLAND PIECE + COUPLING NUT   | DN25       | 16 bar     |                        |     | N.A.            |
| PBQxxxXA-020 |                           |                                                                                                                   | DN40       | 1 bar      |                        |     |                 |
| PBQxxxXA-030 |                           |                                                                                                                   | DN50       | 1 bar      |                        |     |                 |
| PBQxxxXA-040 |                           | <br>THREAD PIECE                 | DN40       | 1 bar      |                        |     |                 |
| PBQxxxXA-050 |                           |                                                                                                                   | DN50       | 1 bar      |                        |     |                 |
| PBQxxxXA-06  | <b>SMS</b>                | <br>GLAND PIECE + COUPLING NUT   | 1½"        | 1 bar      |                        |     |                 |
| PBQxxxXA-07  |                           |                                                                                                                   | 2"         | 1 bar      |                        |     |                 |
| PBQxxxXA-08  |                           | <br>THREAD PIECE                 | 1½"        | 1 bar      |                        |     |                 |
| PBQxxxXA-09  |                           |                                                                                                                   | 2"         | 1 bar      |                        |     |                 |
| PBQxxxXA-10  | <b>APV - RJT</b>          | <br>GLAND PIECE + COUPLING NUT  | 1½"        | 1 bar      |                        |     |                 |
| PBQxxxXA-11  |                           |                                                                                                                   | 2"         | 1 bar      |                        |     |                 |
| PBQxxxXA-12  |                           | <br>THREAD PIECE               | 1½"        | 1 bar      |                        |     |                 |
| PBQxxxXA-13  |                           |                                                                                                                   | 2"         | 1 bar      |                        |     |                 |
| PBQxxxXA-14  | <b>ISO 2853 (IDF)</b>     | <br>GLAND PIECE + COUPLING NUT | 1½"        | 1 bar      |                        |     |                 |
| PBQxxxXA-15  |                           |                                                                                                                   | 2"         | 1 bar      |                        |     |                 |
| PBQxxxXA-16  |                           | <br>THREAD PIECE               | 1½"        | 1 bar      |                        |     |                 |
| PBQxxxXA-17  |                           |                                                                                                                   | 2"         | 1 bar      |                        |     |                 |
| PBQxxxXA-18  | <b>ISO 2852</b>           | <br>TRI-CLAMP                  | 1" - DN25  | 16 bar     |                        |     | N.A.            |
| PBQxxxXA-19  |                           |                                                                                                                   | 1½" - DN38 | 1 bar      |                        |     |                 |
| PBQxxxXA-181 |                           |                                                                                                                   | 2" - DN51  | 1 bar      |                        |     |                 |
| PBQxxxXA-181 | <b>DIN 32 676 serie A</b> | <br>TRI-CLAMP                  | DN25       | 6 bar      |                        |     | N.A.            |
| PBQxxxXA-182 |                           |                                                                                                                   | DN40       | 1 bar      |                        |     |                 |
| PBQxxxXA-183 |                           |                                                                                                                   | DN50       | 1 bar      |                        |     |                 |
| PBQxxxXA-191 | <b>BS 4825</b>            | <br>TRI-CLAMP                  | NPS ¾"     | 25 bar     | *                      |     | N.A.            |
| PBQxxxXA-192 |                           |                                                                                                                   | NPS 1"     | 16 bar     |                        |     | N.A.            |
| PBQxxxXA-193 |                           |                                                                                                                   | NPS 1 ½"   | 1 bar      |                        |     |                 |
| PBQxxxXA-20  | <b>VARIVENT</b>           | <br>TUCHENHAGEN VARIVENT       | DN50       | 1 bar      |                        |     |                 |
| PBQxxxXA-21  |                           |                                                                                                                   | DN68       | 1 bar      |                        |     |                 |

\* Only available in class 2,5

» Other ranges, pressure ratings, flange sizes, materials and connections on demand

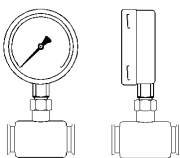
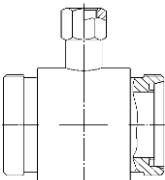
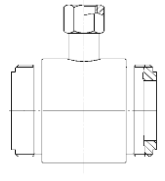
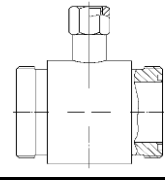
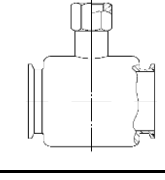
» Other Standards also available: e.g. Südmo, Naue, Guth, Neumo

N.A.

NOT AVAILABLE

## STEP 2 - seal

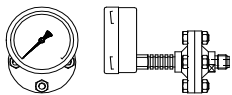
### Chemical seal for type PBQ, prices excluding the gauge, see STEP 1

| STANDARD MODEL                                                                                                                                                                                                                                                                                                |                                                                                               |                                                                                   |            |                                                                                                                                                                                                                                                                                                                                                              |     |                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------|
| <b>CASE</b> : bayonet lock, AISI304/1.4301, IP-65<br><b>BODY</b> : AISI316L/1.4404<br><b>WETTED PARTS</b> : AISI316L/1.4404<br><b>WINDOW</b> : mineral glass 4 mm<br><b>DIAL</b> : aluminium, black figures on white<br><b>POINTER</b> : aluminium, black<br><b>MOVEMENT</b> : stainless steel AISI304/1.4301 |                                                                                               |  |            | <b>RANGE</b> : 0-1 up to 0-600 bar acc. to EN 837-1, see below table<br>for pressure range surplusses above 60 bar: see page 14<br><b>ACCURACY</b> : case Ø 63 and Ø 80 mm: ±1.6% F.S./class 1.6<br>case Ø 100 and Ø 160 mm: ±1.0% F.S. /class 1.0<br><b>Tprocess</b> : -20°/+120° Celcius (-40°C up to 250°C on demand)<br><b>OPTIONS</b> : see pages 15-16 |     |                 |
|                                                                                                                                                                                                                                                                                                               |                                                                                               | <b>PBQ100XA-31</b>                                                                |            |                                                                                                                                                                                                                                                                                                                                                              |     |                 |
| TYPE                                                                                                                                                                                                                                                                                                          | IN-LINE SEAL NORM                                                                             | DN                                                                                | MINIMUM PN | CASE DIAMETER xxx (Ø in mm)                                                                                                                                                                                                                                                                                                                                  |     |                 |
|                                                                                                                                                                                                                                                                                                               |                                                                                               |                                                                                   |            | 63 / 80                                                                                                                                                                                                                                                                                                                                                      | 100 | 160 / 200 / 250 |
| PBQxxxXA-22                                                                                                                                                                                                                                                                                                   |  DIN-11851   | 1" DN25                                                                           | 1 bar      |                                                                                                                                                                                                                                                                                                                                                              |     |                 |
| PBQxxxXA-23                                                                                                                                                                                                                                                                                                   |                                                                                               | 1½" DN40                                                                          | 1 bar      |                                                                                                                                                                                                                                                                                                                                                              |     |                 |
| PBQxxxXA-24                                                                                                                                                                                                                                                                                                   |                                                                                               | 2" DN50                                                                           | 1 bar      |                                                                                                                                                                                                                                                                                                                                                              |     |                 |
| PBQxxxXA-25                                                                                                                                                                                                                                                                                                   |  APV-ISS     | 1"                                                                                | 2.5 bar    |                                                                                                                                                                                                                                                                                                                                                              |     |                 |
| PBQxxxXA-26                                                                                                                                                                                                                                                                                                   |                                                                                               | 1 ½"                                                                              | 1 bar      |                                                                                                                                                                                                                                                                                                                                                              |     |                 |
| PBQxxxXA-27                                                                                                                                                                                                                                                                                                   |                                                                                               | 2"                                                                                | 1 bar      |                                                                                                                                                                                                                                                                                                                                                              |     |                 |
| PBQxxxXA-28                                                                                                                                                                                                                                                                                                   |  SMS        | 1"                                                                                | 2.5 bar    |                                                                                                                                                                                                                                                                                                                                                              |     |                 |
| PBQxxxXA-29                                                                                                                                                                                                                                                                                                   |                                                                                               | 1 ½"                                                                              | 1 bar      |                                                                                                                                                                                                                                                                                                                                                              |     |                 |
| PBQxxxXA-30                                                                                                                                                                                                                                                                                                   |                                                                                               | 2"                                                                                | 1 bar      |                                                                                                                                                                                                                                                                                                                                                              |     |                 |
| PBQxxxXA-31                                                                                                                                                                                                                                                                                                   |  TRI-CLAMP | 1" - 1 ½"                                                                         | 2.5 bar    |                                                                                                                                                                                                                                                                                                                                                              |     |                 |
| PBQxxxXA-32                                                                                                                                                                                                                                                                                                   |                                                                                               | 2"                                                                                | 1 bar      |                                                                                                                                                                                                                                                                                                                                                              |     |                 |
| PBQxxxXA-33                                                                                                                                                                                                                                                                                                   |                                                                                               | 3"                                                                                | 1 bar      |                                                                                                                                                                                                                                                                                                                                                              |     |                 |

» Other ranges, pressure ratings, flange sizes, materials and connections on demand

» Other Standards also available: e.g. DIN 11864, Südmo, Naue, Guth, Neumo

## STEP 2 - seal

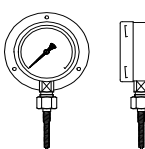
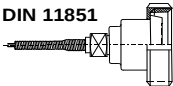
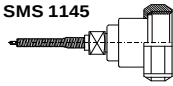
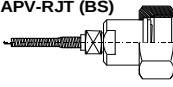
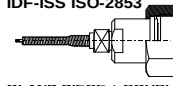
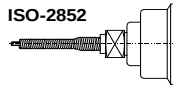
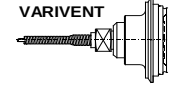
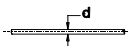
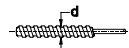
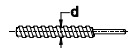
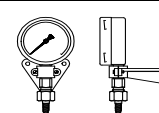
| OPTIONS           |                                                                                                                                | EXTRA COSTS                 |     |                 |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----|-----------------|
|                   |                                                                                                                                | CASE DIAMETER xxx (Ø in mm) |     |                 |
|                   |                                                                                                                                | 63 / 80                     | 100 | 160 / 200 / 250 |
| Surface roughness | 0,4 µm instead of 0,8µm                                                                                                        |                             |     |                 |
| Electropolished   |                                                                                                                                |                             |     |                 |
| Welded version    | Case welded directly on the seal,<br>better hygiene, easier cleaning,<br>"pharmaceutical construction"                         |                             | O.D |                 |
| COOLING ELEMENT   |  <p>FOR PROCESS TEMPERATURES UP TO +200°C</p> |                             |     |                 |

O.D.

ON DEMAND

## STEP 2 - seal

### Chemical seal for type PFQ, prices excluding the gauge, see STEP 1

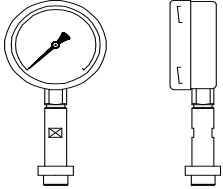
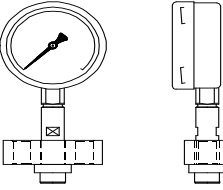
| STANDARD MODEL               |                                                                                                        |                                                                                   |                    |                             |                                                                                                                    |                        |                 |
|------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------|-----------------|
| CASE                         | : bayonet lock, AISI304/1.4301, IP-65<br>standard with blow-out device                                 |  |                    | CAPILLARY                   | : AISI321/1.4541 plain or armoured                                                                                 |                        |                 |
| WETTED PARTS                 | : flush diaphragm, AISI316L/1.4435                                                                     |                                                                                   |                    | RANGE                       | : 0-1 up to 0-600 bar acc. to EN 837-1, see below table<br>for pressure range surplusses above 60 bar: see page 14 |                        |                 |
| WINDOW                       | : mineral glass 4 mm                                                                                   |                                                                                   |                    | ACCURACY                    | : case Ø 63 and Ø 80 mm: ±1.6% F.S./class 1.6<br>case Ø 100 and Ø 160 mm: ±1.0% F.S. /class 1.0                    |                        |                 |
| DIAL                         | : aluminium, black figures on white                                                                    |                                                                                   |                    | Tprocess                    | : -20/+120° Celcius (-40°/+400°C on demand)                                                                        |                        |                 |
| POINTER                      | : aluminium, black                                                                                     |                                                                                   |                    | OPTIONS                     | : see pages 15-16                                                                                                  |                        |                 |
| MOVEMENT                     | : stainless steel AISI304/1.4301                                                                       | PFQxxxXB-xx                                                                       |                    |                             |                                                                                                                    |                        |                 |
| TYPE                         | SEAL                                                                                                   | DN                                                                                | MINIMUM<br>PN      | CASE DIAMETER xxx (Ø in mm) |                                                                                                                    |                        |                 |
|                              | NORM & MODEL                                                                                           |                                                                                   |                    | 63                          | 80                                                                                                                 | 100                    | 160 / 200 / 250 |
| PFQxxxXB-01                  | <br>DIN 11851         | 1"<br>DN25                                                                        | 1.6 bar            |                             |                                                                                                                    |                        |                 |
| PFQxxxXB-02                  |                                                                                                        | 1½"<br>DN40                                                                       | 1.6 bar            |                             |                                                                                                                    |                        |                 |
| PFQxxxXB-03                  |                                                                                                        | 2"<br>DN50                                                                        | 1.6 bar            |                             |                                                                                                                    |                        |                 |
| GLAND PIECE + COUPLING NUT   |                                                                                                        |                                                                                   |                    |                             |                                                                                                                    |                        |                 |
| PFQxxxXB-06                  | <br>SMS 1145          | 1½"<br>DN40                                                                       | 1.6 bar            |                             |                                                                                                                    |                        |                 |
| PFQxxxXB-07                  |                                                                                                        | 2"<br>DN50                                                                        | 1.6 bar            |                             |                                                                                                                    |                        |                 |
| GLAND PIECE + COUPLING NUT   |                                                                                                        |                                                                                   |                    |                             |                                                                                                                    |                        |                 |
| PFQxxxXB-10                  | <br>APV-RJT (BS)      | 1½"<br>DN40                                                                       | 1.6 bar            |                             |                                                                                                                    |                        |                 |
| PFQxxxXB-11                  |                                                                                                        | 2"<br>DN50                                                                        | 1.6 bar            |                             |                                                                                                                    |                        |                 |
| GLAND PIECE + COUPLING NUT   |                                                                                                        |                                                                                   |                    |                             |                                                                                                                    |                        |                 |
| PFQxxxXB-14                  | <br>IDF-ISO ISO-2853 | 1½"<br>DN40                                                                       | 1.6 bar            |                             |                                                                                                                    |                        |                 |
| PFQxxxXB-15                  |                                                                                                        | 2"<br>DN50                                                                        | 1.6 bar            |                             |                                                                                                                    |                        |                 |
| GLAND PIECE + COUPLING NUT   |                                                                                                        |                                                                                   |                    |                             |                                                                                                                    |                        |                 |
| PFQxxxXB-18                  | <br>ISO-2852        | 1" - 1½"                                                                          | 1.6 bar            |                             |                                                                                                                    |                        |                 |
| PFQxxxXB-19                  |                                                                                                        | 2"                                                                                | 1.6 bar            |                             |                                                                                                                    |                        |                 |
| TRI-CLAMP                    |                                                                                                        |                                                                                   |                    |                             |                                                                                                                    |                        |                 |
| PFQxxxXB-20                  | <br>VARIVENT        | DN50                                                                              | 1.6 bar            |                             |                                                                                                                    |                        |                 |
| PFQxxxXB-21                  |                                                                                                        | DN68                                                                              | 1.6 bar            |                             |                                                                                                                    |                        |                 |
| TUCHENHAGEN VARIVENT IN-LINE |                                                                                                        |                                                                                   |                    |                             |                                                                                                                    |                        |                 |
|                              |                                                                                                        |                                                                                   |                    | CASE DIAMETER xxx (Ø in mm) |                                                                                                                    |                        |                 |
| CAPILLARY TUBE (EXTRA COSTS) |                                                                                                        |                                                                                   |                    | 63                          | 80                                                                                                                 | 100                    | 160             |
| PLAIN<br>CAPILLARY           |                     | AISI316<br>d= 3,2 mm                                                              | FIRST<br>1000 mm : |                             |                                                                                                                    | PER 1000 mm<br>EXTRA : |                 |
| ARMOURED<br>CAPILLARY        |                     | AISI304<br>d= 7 mm                                                                | FIRST<br>1000 mm : |                             |                                                                                                                    | PER 1000 mm<br>EXTRA : |                 |
| ARMOURED<br>CAPILLARY        |                     | AISI316<br>d= 7 mm                                                                | FIRST<br>1000 mm : |                             |                                                                                                                    | PER 1000 mm<br>EXTRA : |                 |
|                              |                                                                                                        |                                                                                   |                    | CASE DIAMETER xxx (Ø in mm) |                                                                                                                    |                        |                 |
| OPTIONS                      |                                                                                                        |                                                                                   |                    | 63                          | 80                                                                                                                 | 100                    | 160             |
| PFQxxxXA-xx                  |                     | WALL<br>MOUNTING<br>BRACKET<br>BOTTOM ENTRY                                       |                    |                             |                                                                                                                    |                        |                 |

## STEP 2 - seal

### Chemical seal for type PBR, prices excluding the gauge, see STEP 1

#### STANDARD MODEL

|                     |                                                                        |                 |                                                                                                                         |
|---------------------|------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>CASE</b>         | : bayonet lock, AISI304/1.4301, IP-65<br>standard with blow-out device | <b>RANGE</b>    | : 0 + 25 up to 0 + 1000 bar (max), standard acc. to EN 837-1<br>for pressure range surplusses above 60 bar: see page 13 |
| <b>WETTED PARTS</b> | : flush diaphragm, AISI316L/1.4404                                     | <b>ACCURACY</b> | : case Ø 100 and Ø 160 mm: ±1.0% F.S. /class 1.0                                                                        |
| <b>WINDOW</b>       | : mineral glass 4 mm                                                   | <b>Tprocess</b> | : -20°/+120° Celcius (-40°C up to +250°C on demand)                                                                     |
| <b>DIAL</b>         | : aluminium, black figures on white                                    | <b>OPTIONS</b>  | : see page 14, electrical contact or transmitter 4-20 mA,<br>0-20mA, 0-10Vdc: see pages 15-16                           |
| <b>POINTER</b>      | : aluminium, black                                                     |                 |                                                                                                                         |
| <b>MOVEMENT</b>     | : stainless steel AISI304/1.4301                                       |                 |                                                                                                                         |

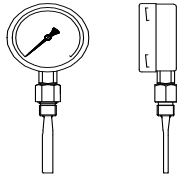
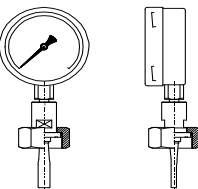
| TYPE               | MODEL                                                                             | CONNECTION                                                                | CASE DIAMETER xxx (Ø in mm) |     |
|--------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------|-----|
|                    |                                                                                   |                                                                           | 100                         | 160 |
| <b>PBRxxxXA-01</b> |  | <b>WITHOUT FLANGE</b>                                                     |                             |     |
| <b>PBRxxxXA-02</b> |  | <b>WITH FLANGE</b><br>95x43x28 mm with<br>2 holes Ø17mm<br>on pitch 60 mm |                             |     |

#### OTHER MODELS, SIZES AND CONNECTIONS O.D.

### TYPE PBT, finger type chemical seal with built-in pulsation dampener

#### STANDARD MODEL

|                     |                                                                        |                 |                                                                                                                         |
|---------------------|------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>CASE</b>         | : bayonet lock, AISI304/1.4301, IP-65<br>standard with blow-out device | <b>RANGE</b>    | : 0 + 16 up to 0 + 1000 bar (max), standard acc. to EN 837-1<br>for pressure range surplusses above 60 bar: see page 14 |
| <b>WETTED PARTS</b> | : tubular probe ±100 mm, AISI316L/1.4404                               | <b>ACCURACY</b> | : case Ø 100 and Ø 160 mm: ±1.0% F.S. /class 1.0                                                                        |
| <b>WINDOW</b>       | : mineral glass 4 mm                                                   | <b>Tprocess</b> | : -20°/+120° Celcius (-40°C up to +250°C on demand)                                                                     |
| <b>DIAL</b>         | : aluminium, black figures on white                                    | <b>OPTIONS</b>  | : see pages 15-16                                                                                                       |
| <b>POINTER</b>      | : aluminium, black                                                     |                 |                                                                                                                         |
| <b>MOVEMENT</b>     | : stainless steel AISI304/1.4301                                       |                 |                                                                                                                         |

| TYPE               | MODEL                                                                               | CONNECTION    | CASE DIAMETER xxx (Ø in mm) |     |
|--------------------|-------------------------------------------------------------------------------------|---------------|-----------------------------|-----|
|                    |                                                                                     |               | 100                         | 160 |
| <b>PBTxxxXA-01</b> |  | ½"BSP male    |                             |     |
| <b>PBTxxxXA-02</b> |                                                                                     | ¾"BSP male    |                             |     |
| <b>PBTxxxXA-03</b> |                                                                                     | 1"BSP male    |                             |     |
| <b>PBTxxxXA-04</b> |  | ¾"BSP female  |                             |     |
| <b>PBTxxxXA-05</b> |                                                                                     | 1"BSP female  |                             |     |
| <b>PBTxxxXA-06</b> |                                                                                     | 1¼"BSP female |                             |     |

# STANDARD PRESSURE RANGES AND HIGHER RANGE SURPLUSSES

FOR TYPES PBS, PFS, PBQ, PFQ, PBR, PBT

| PRESSURE RANGES             |                |                              | EXTRA COSTS              |      |       |       |       |       |
|-----------------------------|----------------|------------------------------|--------------------------|------|-------|-------|-------|-------|
| (in bar)                    | SCALE DIVISION |                              | CASE DIMENSIONS ( in mm) |      |       |       |       |       |
|                             | cl. 1.0<br>1.6 | OPTION<br>cl. 0.6<br>cl. 0.5 | Ø 63                     | Ø 80 | Ø 100 | Ø 160 | Ø 200 | Ø 250 |
| -1 ...0                     | 0.02           | 0.005                        |                          |      |       |       |       |       |
| -1 ...0.6                   | 0.05           | 0.01                         |                          |      |       |       |       |       |
| -1 ...1.5                   | 0.05           | 0.02                         |                          |      |       |       |       |       |
| -1 ...3                     | 0.1            | 0.02                         |                          |      |       |       |       |       |
| -1 ...5                     | 0.1            | 0.05                         |                          |      |       |       |       |       |
| -1 ...9                     | 0.2            | 0.05                         |                          |      |       |       |       |       |
| -1 ...15                    | 0.5            | 0.1                          |                          |      |       |       |       |       |
| -1 ...24                    | 0.5            | 0.2                          |                          |      |       |       |       |       |
| 0 ...0.6                    | 0.01           | x                            |                          |      |       |       |       |       |
| 0 ...1                      | 0.02           | 0.005                        |                          |      |       |       |       |       |
| 0 ...1.6                    | 0.05           | 0.01                         |                          |      |       |       |       |       |
| 0 ...2.5                    | 0.05           | 0.02                         |                          |      |       |       |       |       |
| 0 ...4                      | 0.1            | 0.02                         |                          |      |       |       |       |       |
| 0 ...6                      | 0.1            | 0.05                         |                          |      |       |       |       |       |
| 0 ...10                     | 0.2            | 0.05                         |                          |      |       |       |       |       |
| 0 ...16                     | 0.5            | 0.1                          |                          |      |       |       |       |       |
| 0 ...25                     | 0.5            | 0.2                          |                          |      |       |       |       |       |
| 0 ...40                     | 1              | 0.2                          |                          |      |       |       |       |       |
| 0 ...60                     | 1              | 0.5                          |                          |      |       |       |       |       |
| 0 ...100                    | 2              | 0.5                          |                          |      |       |       |       |       |
| 0 ...160                    | 5              | 1                            |                          |      |       |       |       |       |
| 0 ...250                    | 5              | 2                            |                          |      |       |       |       |       |
| 0 ...400                    | 10             | 2                            |                          |      |       |       |       |       |
| 0 ...600                    | 10             | 5                            |                          |      |       |       |       |       |
| 0 ...1000                   | 20             | 5                            |                          |      |       |       |       |       |
| ACCURACY                    |                |                              |                          |      |       |       |       |       |
| ±1.6% F.S. (class 1.6)      |                |                              | •                        | •    | x     | x     | x     | x     |
| ±1.0% F.S. (class 1.0)      |                |                              | O.D.                     | O.D. | •     | •     | •     | •     |
| DOUBLE SCALES               |                |                              |                          |      |       |       |       |       |
| e.g. bar/psi, bar/kPa, etc. |                |                              |                          |      |       |       |       |       |
| NON STANDARD RANGES         |                |                              |                          |      |       |       |       |       |
| e.g. 0-7 bar or 0-110 psi   |                |                              |                          |      |       |       |       |       |

x

NOT AVAILABLE

•

STANDARD

O.D.

ON DEMAND

## OPTIONS ON PRESSURE GAUGES

| TYPE | CASE<br>DIMENSIONS<br>(in mm) | EXTRA COSTS          |                              |            |                           |                           |                           |                                                   |
|------|-------------------------------|----------------------|------------------------------|------------|---------------------------|---------------------------|---------------------------|---------------------------------------------------|
|      |                               | WINDOW<br>MATERIAL   |                              | POINTERS   |                           |                           |                           |                                                   |
|      |                               | PMMA -<br>PLEXIGLASS | SAFETY<br>GLASS<br>(SECURIT) | ADJUSTABLE | INDEX POINTER<br>ON GLASS | SINGLE<br>DRAG<br>POINTER | DOUBLE<br>DRAG<br>POINTER | DRAG POINTER in<br>combination with<br>HZ contact |
| PBS  | 63                            |                      | X                            |            |                           |                           | X                         | X                                                 |
| PBQ  | 80                            |                      | X                            |            |                           |                           | X                         | X                                                 |
| PFS  | 100                           |                      |                              |            |                           |                           |                           |                                                   |
| PFQ  | 160                           |                      |                              |            |                           |                           |                           |                                                   |
| PBR  | 100                           |                      |                              |            |                           |                           |                           |                                                   |
| PBT  | 160                           |                      |                              |            |                           |                           |                           |                                                   |

| TYPE | CASE<br>DIMENSIONS<br>(in mm) | EXTRA COSTS |                           |                                    |                      |                                        |
|------|-------------------------------|-------------|---------------------------|------------------------------------|----------------------|----------------------------------------|
|      |                               | BLOW- OUT   |                           | MEASURING<br>SYSTEM                | CASE & BEZEL         |                                        |
|      |                               | DISC        | PLUG *<br>(LIQUID FILLED) | PULSATION DAMPER<br>1.4401 AISI316 | AISI316L /<br>1.4404 | BACK / FRONT FLANGE<br>AISI316L/1.4404 |
| PBS  | 63                            | ●           | ●                         |                                    |                      |                                        |
| PBQ  | 80                            | ●           | ●                         |                                    | X                    | X                                      |
| PFS  | 100                           | ●           | ●                         |                                    |                      |                                        |
| PFQ  | 160                           | ●           | ●                         |                                    |                      |                                        |
| PBR  | 100                           | ●           | ●                         |                                    |                      | X                                      |
| PBT  | 160                           | ●           | ●                         |                                    |                      | X                                      |

\* WITH COMPENSATING DIAPHRAGM

|   |               |   |          |
|---|---------------|---|----------|
| X | NOT AVAILABLE | ● | STANDARD |
|---|---------------|---|----------|

## MARKING FOR PRESSURE GAUGES

| OPTIONS                                         | EXTRA PRICE |
|-------------------------------------------------|-------------|
| TAG number on dial                              |             |
| TAG number on AISI304/1.4301 TAG plate 55x25 mm |             |
| Lettering on dial                               |             |
| Red mark / coloured segments on dial            |             |

## MINIMUM PRESSURE RANGE FOR PRESSURE GAUGES WITH ELECTRICAL DEVICE

| TYPE | TYPE OF CONTACT | M-x                    | M-xx<br>M-3 | M-xxx<br>M-33 | I-x<br>E-x | I-xx<br>E-xx | I-xxx<br>E-xxx | Q-3 | Q-33 | PT5<br>Add-on unit | MECHANICAL<br>TRANSMITTERS | PT-x<br>(max.<br>1000 bar) |
|------|-----------------|------------------------|-------------|---------------|------------|--------------|----------------|-----|------|--------------------|----------------------------|----------------------------|
|      | case dimensions | MINIMUM RANGE (in bar) |             |               |            |              |                |     |      |                    |                            |                            |
| PBS  | 100             | 1,6                    | 1,6         | 4             | 1,6        | 1,6          | 1,6            | 2,5 | 2,5  | 1,6                | 1,6                        | 2,5                        |
|      | 160             | 1,6                    | 1,6         | 2,5           | 1,6        | 1,6          | 2,5            | 2,5 | 2,5  | 1,6                | 1,6                        | 2,5                        |
| PFS  | 100             | 1,6                    | 1,6         | 4             | 1,6        | 1,6          | 1,6            | 2,5 | 2,5  | 1,6                | 1,6                        | 2,5                        |
|      | 160             | 1,6                    | 1,6         | 2,5           | 1,6        | 1,6          | 2,5            | 2,5 | 2,5  | 1,6                | 1,6                        | 2,5                        |
| PBQ  | 100             | 1,6                    | 1,6         | 4             | 1,6        | 1,6          | 1,6            | 2,5 | 2,5  | 1,6                | 1,6                        | 2,5                        |
|      | 160             | 1,6                    | 1,6         | 2,5           | 1,6        | 1,6          | 2,5            | 2,5 | 2,5  | 1,6                | 1,6                        | 2,5                        |
| PFQ  | 100             | 1,6                    | 1,6         | 4             | 1,6        | 1,6          | 1,6            | 2,5 | 2,5  | 1,6                | 1,6                        | 2,5                        |
|      | 160             | 1,6                    | 1,6         | 2,5           | 1,6        | 1,6          | 2,5            | 2,5 | 2,5  | 1,6                | 1,6                        | 2,5                        |
| PBR  | 100             | 25                     | 25          | 25            | 25         | 25           | 25             | 25  | 25   | 25                 | 25                         | 25                         |
|      | 160             | 25                     | 25          | 25            | 25         | 25           | 25             | 25  | 25   | 25                 | 25                         | 25                         |
| PBT  | 100             | 16                     | 16          | 16            | 16         | 16           | 16             | 16  | 16   | 16                 | 16                         | 16                         |
|      | 160             | 16                     | 16          | 16            | 16         | 16           | 16             | 16  | 16   | 16                 | 16                         | 16                         |

## PRICE SURPLUSES FOR BUILT-IN CONTACTS

Only for solid-front cases it is necessary to add a surplus to get the case "contact-ready".  
See the surplus below. For all other cases, only the price of the contact itself needs to be added.

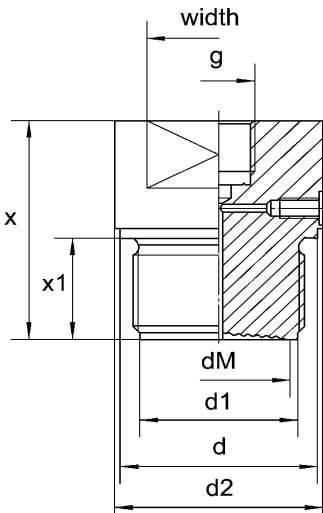
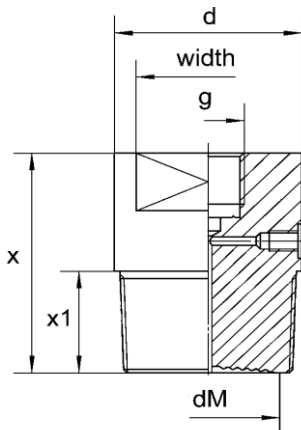
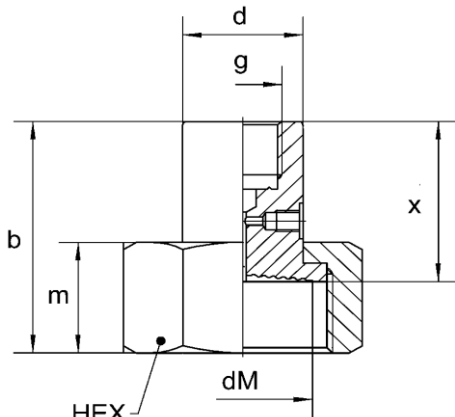
| Case diameter                                                                | Ø 100 | Ø 160 |
|------------------------------------------------------------------------------|-------|-------|
| Case extension for<br>contact-ready solid-front gauge<br>(excluding contact) |       |       |

For the prices of the contact itself,  
please refer to section B of the STIKO Price List Contact Gauges

Please be aware that a case filling, in combination with a contact, should imperatively be RESISTANCE OIL \*

\* Case-filling NOT possible for case ø200mm

# "ALL STAINLESS" DIAPHRAGM SEAL PRESSURE GAUGE, TYPE PBS

| TYPE           | DRAWING                                                                                                                       | DIMENSIONS mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |        |    |       |       |    |     |       |       |       |       |     |       |      |      |    |       |    |       |    |        |       |    |      |       |       |        |       |        |    |    |    |       |    |        |    |       |      |    |    |    |    |       |    |    |    |    |    |    |
|----------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|----|-------|-------|----|-----|-------|-------|-------|-------|-----|-------|------|------|----|-------|----|-------|----|--------|-------|----|------|-------|-------|--------|-------|--------|----|----|----|-------|----|--------|----|-------|------|----|----|----|----|-------|----|----|----|----|----|----|
| 01<br>02<br>03 |  <p>Flush Diaphragm</p>                      |  <table><tr><th>DN</th><th>PN bar</th><th>d</th><th>d1</th><th>d2</th><th>dM</th><th>g</th><th>x</th><th>x1</th><th>width</th></tr><tr><td>½"BSP</td><td rowspan="5">600</td><td>—</td><td>18</td><td rowspan="3">—</td><td>16</td><td>¼"BSP</td><td>55</td><td rowspan="2">20</td><td>27</td></tr><tr><td>¾"BSP</td><td>32</td><td>22</td><td>20</td><td rowspan="4">½"BSP</td><td>56</td><td>32</td></tr><tr><td>1"BSP</td><td>39</td><td>29</td><td>28</td><td>55</td><td>21</td><td>41</td></tr><tr><td>1½"BSP</td><td>55</td><td>44</td><td>58</td><td>38</td><td>65</td><td rowspan="2">30</td><td>50</td></tr><tr><td>2"BSP</td><td>68</td><td>56</td><td>78</td><td>46</td><td>70</td><td>65</td></tr></table> | DN   | PN bar | d  | d1    | d2    | dM | g   | x     | x1    | width | ½"BSP | 600 | —     | 18   | —    | 16 | ¼"BSP | 55 | 20    | 27 | ¾"BSP  | 32    | 22 | 20   | ½"BSP | 56    | 32     | 1"BSP | 39     | 29 | 28 | 55 | 21    | 41 | 1½"BSP | 55 | 44    | 58   | 38 | 65 | 30 | 50 | 2"BSP | 68 | 56 | 78 | 46 | 70 | 65 |
|                | DN                                                                                                                            | PN bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | d    | d1     | d2 | dM    | g     | x  | x1  | width |       |       |       |     |       |      |      |    |       |    |       |    |        |       |    |      |       |       |        |       |        |    |    |    |       |    |        |    |       |      |    |    |    |    |       |    |    |    |    |    |    |
|                | ½"BSP                                                                                                                         | 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | —    | 18     | —  | 16    | ¼"BSP | 55 | 20  | 27    |       |       |       |     |       |      |      |    |       |    |       |    |        |       |    |      |       |       |        |       |        |    |    |    |       |    |        |    |       |      |    |    |    |    |       |    |    |    |    |    |    |
| ¾"BSP          | 32                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 22   | 20     |    | ½"BSP | 56    | 32 |     |       |       |       |       |     |       |      |      |    |       |    |       |    |        |       |    |      |       |       |        |       |        |    |    |    |       |    |        |    |       |      |    |    |    |    |       |    |    |    |    |    |    |
| 1"BSP          | 39                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 29   | 28     |    |       | 55    | 21 | 41  |       |       |       |       |     |       |      |      |    |       |    |       |    |        |       |    |      |       |       |        |       |        |    |    |    |       |    |        |    |       |      |    |    |    |    |       |    |    |    |    |    |    |
| 1½"BSP         | 55                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 44   | 58     | 38 |       | 65    | 30 | 50  |       |       |       |       |     |       |      |      |    |       |    |       |    |        |       |    |      |       |       |        |       |        |    |    |    |       |    |        |    |       |      |    |    |    |    |       |    |    |    |    |    |    |
| 2"BSP          | 68                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 56   | 78     | 46 |       | 70    |    | 65  |       |       |       |       |     |       |      |      |    |       |    |       |    |        |       |    |      |       |       |        |       |        |    |    |    |       |    |        |    |       |      |    |    |    |    |       |    |    |    |    |    |    |
|                |  <p>Flush Diaphragm</p>                     |  <table><tr><th>DN</th><th>PN bar</th><th>d</th><th>dM</th><th>g</th><th>x</th><th>x1</th><th>width</th></tr><tr><td>½"NPT</td><td rowspan="5">600</td><td rowspan="3">—</td><td>16</td><td>¼"BSP</td><td>54</td><td>19</td><td rowspan="2">27</td></tr><tr><td>¾"NPT</td><td>24</td><td rowspan="4">½"BSP</td><td>60</td><td>25</td></tr><tr><td>1"NPT</td><td>32</td><td>65</td><td>28</td><td>41</td></tr><tr><td>1½"NPT</td><td>52</td><td>38</td><td>65</td><td>30</td><td>46</td></tr><tr><td>2"NPT</td><td>78</td><td>46</td><td>65</td><td>30</td><td>65</td></tr></table>                                                                                                                                    | DN   | PN bar | d  | dM    | g     | x  | x1  | width | ½"NPT | 600   | —     | 16  | ¼"BSP | 54   | 19   | 27 | ¾"NPT | 24 | ½"BSP | 60 | 25     | 1"NPT | 32 | 65   | 28    | 41    | 1½"NPT | 52    | 38     | 65 | 30 | 46 | 2"NPT | 78 | 46     | 65 | 30    | 65   |    |    |    |    |       |    |    |    |    |    |    |
| DN             | PN bar                                                                                                                        | d                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | dM   | g      | x  | x1    | width |    |     |       |       |       |       |     |       |      |      |    |       |    |       |    |        |       |    |      |       |       |        |       |        |    |    |    |       |    |        |    |       |      |    |    |    |    |       |    |    |    |    |    |    |
| ½"NPT          | 600                                                                                                                           | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 16   | ¼"BSP  | 54 | 19    | 27    |    |     |       |       |       |       |     |       |      |      |    |       |    |       |    |        |       |    |      |       |       |        |       |        |    |    |    |       |    |        |    |       |      |    |    |    |    |       |    |    |    |    |    |    |
| ¾"NPT          |                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 24   | ½"BSP  | 60 | 25    |       |    |     |       |       |       |       |     |       |      |      |    |       |    |       |    |        |       |    |      |       |       |        |       |        |    |    |    |       |    |        |    |       |      |    |    |    |    |       |    |    |    |    |    |    |
| 1"NPT          |                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 32   |        | 65 | 28    | 41    |    |     |       |       |       |       |     |       |      |      |    |       |    |       |    |        |       |    |      |       |       |        |       |        |    |    |    |       |    |        |    |       |      |    |    |    |    |       |    |    |    |    |    |    |
| 1½"NPT         |                                                                                                                               | 52                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 38   |        | 65 | 30    | 46    |    |     |       |       |       |       |     |       |      |      |    |       |    |       |    |        |       |    |      |       |       |        |       |        |    |    |    |       |    |        |    |       |      |    |    |    |    |       |    |    |    |    |    |    |
| 2"NPT          |                                                                                                                               | 78                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 46   |        | 65 | 30    | 65    |    |     |       |       |       |       |     |       |      |      |    |       |    |       |    |        |       |    |      |       |       |        |       |        |    |    |    |       |    |        |    |       |      |    |    |    |    |       |    |    |    |    |    |    |
| 04<br>05       |  <p>Flush Diaphragm with female thread</p> |  <table><tr><th>DN</th><th>PN bar</th><th>b</th><th>d</th><th>m</th><th>dM</th><th>g</th><th>x</th><th>x1</th><th>HEX</th></tr><tr><td>1"BSP</td><td rowspan="2">600</td><td>49,5</td><td>23,5</td><td>28,5</td><td>24</td><td>¼"BSP</td><td>30</td><td rowspan="4">—</td><td>41</td></tr><tr><td>1¼"BSP</td><td>65</td><td>30</td><td>30,5</td><td>28</td><td rowspan="3">½"BSP</td><td>30</td><td>50</td></tr><tr><td>1½"BSP</td><td rowspan="2">40</td><td>65</td><td>32</td><td>31</td><td>34</td><td>30</td><td>55</td></tr><tr><td>2"BSP</td><td>72,5</td><td>40</td><td>35</td><td>46</td><td>50</td><td>70</td></tr></table>                                                                                 | DN   | PN bar | b  | d     | m     | dM | g   | x     | x1    | HEX   | 1"BSP | 600 | 49,5  | 23,5 | 28,5 | 24 | ¼"BSP | 30 | —     | 41 | 1¼"BSP | 65    | 30 | 30,5 | 28    | ½"BSP | 30     | 50    | 1½"BSP | 40 | 65 | 32 | 31    | 34 | 30     | 55 | 2"BSP | 72,5 | 40 | 35 | 46 | 50 | 70    |    |    |    |    |    |    |
| DN             | PN bar                                                                                                                        | b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | d    | m      | dM | g     | x     | x1 | HEX |       |       |       |       |     |       |      |      |    |       |    |       |    |        |       |    |      |       |       |        |       |        |    |    |    |       |    |        |    |       |      |    |    |    |    |       |    |    |    |    |    |    |
| 1"BSP          | 600                                                                                                                           | 49,5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 23,5 | 28,5   | 24 | ¼"BSP | 30    | —  | 41  |       |       |       |       |     |       |      |      |    |       |    |       |    |        |       |    |      |       |       |        |       |        |    |    |    |       |    |        |    |       |      |    |    |    |    |       |    |    |    |    |    |    |
| 1¼"BSP         |                                                                                                                               | 65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 30   | 30,5   | 28 | ½"BSP | 30    |    | 50  |       |       |       |       |     |       |      |      |    |       |    |       |    |        |       |    |      |       |       |        |       |        |    |    |    |       |    |        |    |       |      |    |    |    |    |       |    |    |    |    |    |    |
| 1½"BSP         | 40                                                                                                                            | 65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 32   | 31     | 34 |       | 30    |    | 55  |       |       |       |       |     |       |      |      |    |       |    |       |    |        |       |    |      |       |       |        |       |        |    |    |    |       |    |        |    |       |      |    |    |    |    |       |    |    |    |    |    |    |
| 2"BSP          |                                                                                                                               | 72,5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 40   | 35     | 46 |       | 50    |    | 70  |       |       |       |       |     |       |      |      |    |       |    |       |    |        |       |    |      |       |       |        |       |        |    |    |    |       |    |        |    |       |      |    |    |    |    |       |    |    |    |    |    |    |

# "ALL STAINLESS" DIAPHRAGM SEAL PRESSURE GAUGES, TYPE PBS

| TYPE           | DRAWING     | DIMENSIONS mm                                                                                                                                                                                                                                                                                                                                                                                                             |     |        |    |    |             |     |       |         |             |     |    |     |   |    |    |    |             |     |    |   |   |    |    |     |
|----------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------|----|----|-------------|-----|-------|---------|-------------|-----|----|-----|---|----|----|----|-------------|-----|----|---|---|----|----|-----|
| 06<br>07<br>08 |             |  <table><tr><th>DN</th><th>PN bar</th><th>b</th><th>c2</th><th>c3</th><th>d</th><th>width</th></tr><tr><td>1/2\"/&gt;</td></tr></table>                                                                                                                                                                                                | DN  | PN bar | b  | c2 | c3          | d   | width | 1/2\"/> |             |     |    |     |   |    |    |    |             |     |    |   |   |    |    |     |
|                | DN          | PN bar                                                                                                                                                                                                                                                                                                                                                                                                                    | b   | c2     | c3 | d  | width       |     |       |         |             |     |    |     |   |    |    |    |             |     |    |   |   |    |    |     |
|                | 1/2\"/>     |                                                                                                                                                                                                                                                                                                                                                                                                                           |     |        |    |    |             |     |       |         |             |     |    |     |   |    |    |    |             |     |    |   |   |    |    |     |
| 09<br>10       |             |  <table><tr><th>DN</th><th>PN bar</th><th>b</th><th>c</th><th>c1</th><th>c2</th><th>c3</th><th>d</th></tr><tr><td>1/2 BSP/NPT</td><td>100</td><td>90</td><td>6</td><td>3</td><td>20</td><td>19</td><td>99</td></tr><tr><td>1/2 BSP/NPT</td><td>250</td><td>97</td><td>6</td><td>3</td><td>20</td><td>19</td><td>118</td></tr></table> | DN  | PN bar | b  | c  | c1          | c2  | c3    | d       | 1/2 BSP/NPT | 100 | 90 | 6   | 3 | 20 | 19 | 99 | 1/2 BSP/NPT | 250 | 97 | 6 | 3 | 20 | 19 | 118 |
|                | DN          | PN bar                                                                                                                                                                                                                                                                                                                                                                                                                    | b   | c      | c1 | c2 | c3          | d   |       |         |             |     |    |     |   |    |    |    |             |     |    |   |   |    |    |     |
|                | 1/2 BSP/NPT | 100                                                                                                                                                                                                                                                                                                                                                                                                                       | 90  | 6      | 3  | 20 | 19          | 99  |       |         |             |     |    |     |   |    |    |    |             |     |    |   |   |    |    |     |
| 1/2 BSP/NPT    | 250         | 97                                                                                                                                                                                                                                                                                                                                                                                                                        | 6   | 3      | 20 | 19 | 118         |     |       |         |             |     |    |     |   |    |    |    |             |     |    |   |   |    |    |     |
| 11<br>12       |             |  <table><tr><th>DN</th><th>PN bar</th><th>b</th><th>d</th></tr><tr><td>1/2 BSP/NPT</td><td>100</td><td>79</td><td>99</td></tr><tr><td>1/2 BSP/NPT</td><td>250</td><td>89</td><td>118</td></tr></table>                                                                                                                               | DN  | PN bar | b  | d  | 1/2 BSP/NPT | 100 | 79    | 99      | 1/2 BSP/NPT | 250 | 89 | 118 |   |    |    |    |             |     |    |   |   |    |    |     |
|                | DN          | PN bar                                                                                                                                                                                                                                                                                                                                                                                                                    | b   | d      |    |    |             |     |       |         |             |     |    |     |   |    |    |    |             |     |    |   |   |    |    |     |
|                | 1/2 BSP/NPT | 100                                                                                                                                                                                                                                                                                                                                                                                                                       | 79  | 99     |    |    |             |     |       |         |             |     |    |     |   |    |    |    |             |     |    |   |   |    |    |     |
| 1/2 BSP/NPT    | 250         | 89                                                                                                                                                                                                                                                                                                                                                                                                                        | 118 |        |    |    |             |     |       |         |             |     |    |     |   |    |    |    |             |     |    |   |   |    |    |     |

» Other body and diaphragm materials: Hastelloy, Tantalum, Nickel, Titanium, Monel, Inconel etc., on demand.

# "ALL STAINLESS" DIAPHRAGM SEAL PRESSURE GAUGES, TYPE PBS

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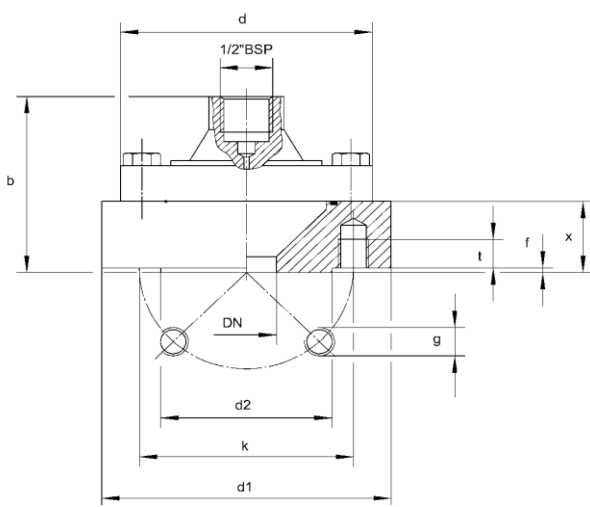
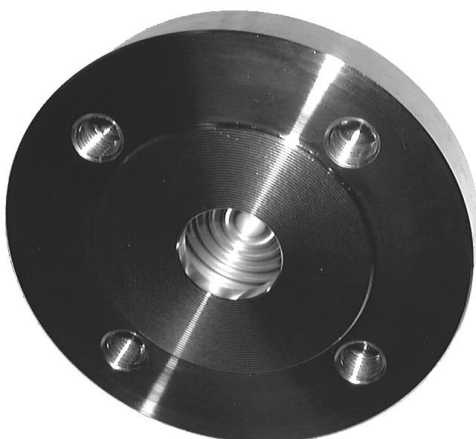
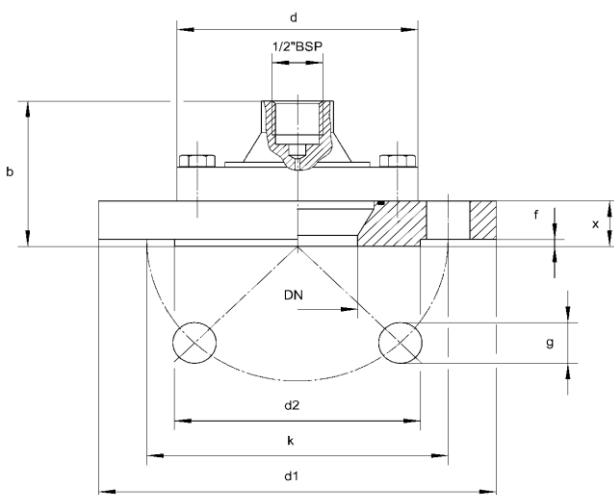
» Other body and diaphragm materials: Hastelloy, Tantalum, Nickel, Titanium, Monel, Inconel etc., on demand.

# "ALL STAINLESS" DIAPHRAGM SEAL PRESSURE GAUGES, TYPE PBS

| TYPE            | DRAWING | DIMENSIONS mm |        |      |     |     |       |       |       |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
|-----------------|---------|---------------|--------|------|-----|-----|-------|-------|-------|------------|-----|-------|------|------|-----|-----|-------|------|-------|------------|------|-------|-------|------|-----|-------|-------|------|------------|--------|-----|-------|-----|------|-------|-----|-------|------------|-------|--------|-----|-------|-------|-------|-----|-----|------------|-------|-------|--------|-----|-------|-------|------|-----|------------|-------|------|-------|--------|-----|-------|-------|------|-----|------------|-------|-------|-------|--------|-----|-------|-------|------|------------|------|-------|-------|-------|--------|-------|-------|-------|------------|------|-----|-------|-------|-------|--------|-----|----|------------|------|-----|-----|-------|-----|-------|--------|-----|------------|-------|------|-----|-----|-------|-----|-------|--------|-----|------------|-------|------|----|-----|-------|-------|------|--------|------------|------|-----|-----|----|-----|-------|-------|----|------------|------|-----|-----|-----|----|-------|-------|-------|------------|------|-----|-----|----|---|-------|-----|----|
| 16<br>17<br>18  |         |               |        |      |     |     |       |       |       |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
|                 |         | DN            | PN bar | b    | d1  | d2  | dM    | f     | g     | k          | x   | DN 25 | 40   | 55,5 | 115 | 68  | 28    | 3    | 4xø14 | 85         | 18   | DN 50 | 40    | 57.5 | 165 | 102   | 52    | 3    | 4xø18      | 125    | 20  | DN 50 | 64  | 63.5 | 180   | 102 | 52    | 3          | 4xø22 | 135    | 26  | DN 50 | 100   | 65.5  | 195 | 102 | 52         | 3.5   | 4xø26 | 145    | 28  | DN 50 | 160   | 67.5 | 195 | 102        | 52    | 3    | 4xø26 | 145    | 30  | DN 50 | 250   | 75.5 | 200 | 102        | 52    | 3     | 8xø26 | 150    | 38  | DN 50 | 320   | 79.5 | 210        | 102  | 52    | 3     | 8xø26 | 160    | 42    | DN 50 | 400   | 89.5       | 235  | 102 | 52    | 3     | 8xø30 | 180    | 52  |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
|                 |         | DN            | PN bar | b    | d1  | d2  | dM    | f     | g     | k          | x   |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
|                 |         | DN 25         | 40     | 55,5 | 115 | 68  | 28    | 3     | 4xø14 | 85         | 18  |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
|                 |         | DN 50         | 40     | 57.5 | 165 | 102 | 52    | 3     | 4xø18 | 125        | 20  |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
|                 |         | DN 50         | 64     | 63.5 | 180 | 102 | 52    | 3     | 4xø22 | 135        | 26  |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
|                 |         | DN 50         | 100    | 65.5 | 195 | 102 | 52    | 3.5   | 4xø26 | 145        | 28  |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
|                 |         | DN 50         | 160    | 67.5 | 195 | 102 | 52    | 3     | 4xø26 | 145        | 30  |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
|                 |         | DN 50         | 250    | 75.5 | 200 | 102 | 52    | 3     | 8xø26 | 150        | 38  |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
|                 |         | DN 50         | 320    | 79.5 | 210 | 102 | 52    | 3     | 8xø26 | 160        | 42  |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| DN 50           | 400     | 89.5          | 235    | 102  | 52  | 3   | 8xø30 | 180   | 52    |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| DN              | Class   | b             | d1     | d2   | dM  | f   | g     | k     | x     | ¾"ANSI     | 150 | 50.2  | 98.6 | 42.9 | 21  | 1.6 | 4xø16 | 69.9 | 12.7  | ¾"ANSI     | 300  | 53.3  | 117.3 | 42.9 | 21  | 1.6   | 4xø19 | 82.6 | 15.8       | 1"ANSI | 150 | 51.7  | 108 | 50.8 | 28    | 1.6 | 4xø16 | 79.2       | 14.2  | 1"ANSI | 300 | 55    | 123.9 | 50.8  | 28  | 1.6 | 4xø19      | 88.92 | 17.5  | 1½ANSI | 150 | 55    | 127   | 73.2 | 38  | 1.6        | 4xø16 | 98.6 | 17.5  | 1½ANSI | 300 | 58.1  | 155.4 | 73.2 | 38  | 1.6        | 4xø22 | 114.3 | 20.6  | 1½ANSI | 600 | 66.3  | 155.4 | 73.2 | 38         | 6.4  | 4xø22 | 114.3 | 28.8  | 2"ANSI | 150   | 57.3  | 152.4 | 91.9       | 57   | 1.6 | 4xø19 | 120.7 | 19.8  | 2"ANSI | 300 | 60 | 165.1      | 91.9 | 57  | 6.4 | 8xø19 | 127 | 22.5  | 2"ANSI | 600 | 69.3       | 165.1 | 91.9 | 57  | 6.4 | 8xø19 | 127 | 31.8  | 2"ANSI | 900 | 82         | 215.9 | 91.9 | 57 | 6.4 | 8xø26 | 165.1 | 44.5 | 3"ANSI | 150        | 61.5 | 191 | 127 | 80 | 1.6 | 4xø20 | 152.4 | 24 | 3"ANSI     | 300  | 66  | 210 | 127 | 80 | 1.6   | 8xø23 | 168,1 | 28,5       |      |     |     |    |   |       |     |    |
| DN              | Class   | b             | d1     | d2   | dM  | f   | g     | k     | x     |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| ¾"ANSI          | 150     | 50.2          | 98.6   | 42.9 | 21  | 1.6 | 4xø16 | 69.9  | 12.7  |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| ¾"ANSI          | 300     | 53.3          | 117.3  | 42.9 | 21  | 1.6 | 4xø19 | 82.6  | 15.8  |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| 1"ANSI          | 150     | 51.7          | 108    | 50.8 | 28  | 1.6 | 4xø16 | 79.2  | 14.2  |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| 1"ANSI          | 300     | 55            | 123.9  | 50.8 | 28  | 1.6 | 4xø19 | 88.92 | 17.5  |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| 1½ANSI          | 150     | 55            | 127    | 73.2 | 38  | 1.6 | 4xø16 | 98.6  | 17.5  |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| 1½ANSI          | 300     | 58.1          | 155.4  | 73.2 | 38  | 1.6 | 4xø22 | 114.3 | 20.6  |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| 1½ANSI          | 600     | 66.3          | 155.4  | 73.2 | 38  | 6.4 | 4xø22 | 114.3 | 28.8  |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| 2"ANSI          | 150     | 57.3          | 152.4  | 91.9 | 57  | 1.6 | 4xø19 | 120.7 | 19.8  |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| 2"ANSI          | 300     | 60            | 165.1  | 91.9 | 57  | 6.4 | 8xø19 | 127   | 22.5  |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| 2"ANSI          | 600     | 69.3          | 165.1  | 91.9 | 57  | 6.4 | 8xø19 | 127   | 31.8  |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| 2"ANSI          | 900     | 82            | 215.9  | 91.9 | 57  | 6.4 | 8xø26 | 165.1 | 44.5  |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| 3"ANSI          | 150     | 61.5          | 191    | 127  | 80  | 1.6 | 4xø20 | 152.4 | 24    |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| 3"ANSI          | 300     | 66            | 210    | 127  | 80  | 1.6 | 8xø23 | 168,1 | 28,5  |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| DN              | Class   | b             | d1     | d2   | dM  | f   | g     | k     | x     | JIS10K 15A | 150 | 49.5  | 95   | 51   | 21  | 1   | 4Xø15 | 70   | 12    | JIS10K 20A | 51.5 | 100   | 56    | 17   | 1   | 4Xø15 | 75    | 14   | JIS10K 25A | 51.5   | 125 | 67    | 28  | 1    | 4Xø19 | 90  | 14    | JIS10K 40A | 53.5  | 140    | 81  | 38    | 2     | 4Xø19 | 105 | 16  | JIS10K 50A | 53.5  | 155   | 96     | 46  | 2     | 4Xø19 | 120  | 16  | JIS20K 15A | 300   | 51.5 | 95    | 51     | 17  | 1     | 4Xø15 | 70   | 14  | JIS20K 20A | 53.5  | 100   | 56    | 17     | 1   | 4Xø15 | 75    | 16   | JIS20K 25A | 53.5 | 125   | 67    | 24    | 1      | 4Xø19 | 90    | 16    | JIS20K 40A | 55.5 | 140 | 81    | 38    | 2     | 4Xø19  | 105 | 18 | JIS20K 50A | 55.5 | 155 | 96  | 48    | 2   | 8Xø19 | 120    | 18  | JIS40K 15A | 600   | 57.5 | 115 | 55  | 17    | 1   | 4Xø19 | 80     | 20  | JIS40K 20A | 57.5  | 120  | 60 | 17  | 1     | 4Xø19 | 85   | 20     | JIS40K 25A | 59.5 | 130 | 70  | 24 | 1   | 4Xø19 | 95    | 22 | JIS40K 40A | 61.5 | 160 | 90  | 38  | 2  | 4Xø23 | 120   | 24    | JIS40K 50A | 63.5 | 165 | 105 | 48 | 2 | 8Xø19 | 130 | 26 |
| DN              | Class   | b             | d1     | d2   | dM  | f   | g     | k     | x     |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| JIS10K 15A      | 150     | 49.5          | 95     | 51   | 21  | 1   | 4Xø15 | 70    | 12    |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| JIS10K 20A      |         | 51.5          | 100    | 56   | 17  | 1   | 4Xø15 | 75    | 14    |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| JIS10K 25A      |         | 51.5          | 125    | 67   | 28  | 1   | 4Xø19 | 90    | 14    |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| JIS10K 40A      |         | 53.5          | 140    | 81   | 38  | 2   | 4Xø19 | 105   | 16    |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| JIS10K 50A      |         | 53.5          | 155    | 96   | 46  | 2   | 4Xø19 | 120   | 16    |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| JIS20K 15A      | 300     | 51.5          | 95     | 51   | 17  | 1   | 4Xø15 | 70    | 14    |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| JIS20K 20A      |         | 53.5          | 100    | 56   | 17  | 1   | 4Xø15 | 75    | 16    |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| JIS20K 25A      |         | 53.5          | 125    | 67   | 24  | 1   | 4Xø19 | 90    | 16    |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| JIS20K 40A      |         | 55.5          | 140    | 81   | 38  | 2   | 4Xø19 | 105   | 18    |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| JIS20K 50A      |         | 55.5          | 155    | 96   | 48  | 2   | 8Xø19 | 120   | 18    |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| JIS40K 15A      | 600     | 57.5          | 115    | 55   | 17  | 1   | 4Xø19 | 80    | 20    |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| JIS40K 20A      |         | 57.5          | 120    | 60   | 17  | 1   | 4Xø19 | 85    | 20    |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| JIS40K 25A      |         | 59.5          | 130    | 70   | 24  | 1   | 4Xø19 | 95    | 22    |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| JIS40K 40A      |         | 61.5          | 160    | 90   | 38  | 2   | 4Xø23 | 120   | 24    |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| JIS40K 50A      |         | 63.5          | 165    | 105  | 48  | 2   | 8Xø19 | 130   | 26    |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |
| Flush Diaphragm |         |               |        |      |     |     |       |       |       |            |     |       |      |      |     |     |       |      |       |            |      |       |       |      |     |       |       |      |            |        |     |       |     |      |       |     |       |            |       |        |     |       |       |       |     |     |            |       |       |        |     |       |       |      |     |            |       |      |       |        |     |       |       |      |     |            |       |       |       |        |     |       |       |      |            |      |       |       |       |        |       |       |       |            |      |     |       |       |       |        |     |    |            |      |     |     |       |     |       |        |     |            |       |      |     |     |       |     |       |        |     |            |       |      |    |     |       |       |      |        |            |      |     |     |    |     |       |       |    |            |      |     |     |     |    |       |       |       |            |      |     |     |    |   |       |     |    |

» Other body and diaphragm materials: Hastelloy, Tantalum, Nickel, Titanium, Monel, Inconel etc., on demand.

# "ALL-STAINLESS" DIAPHRAGM SEAL PRESSURE GAUGES, TYPE PBS

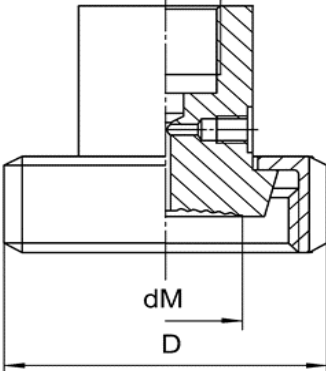
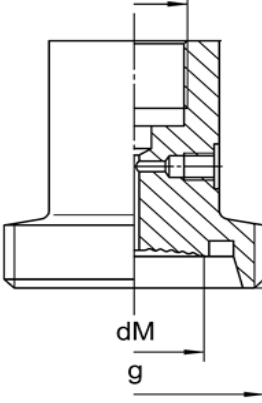
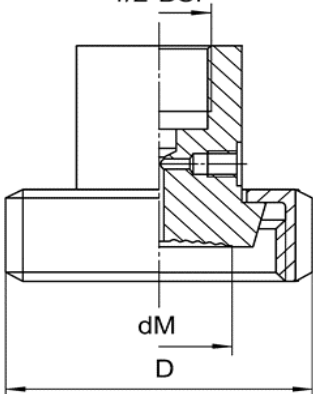
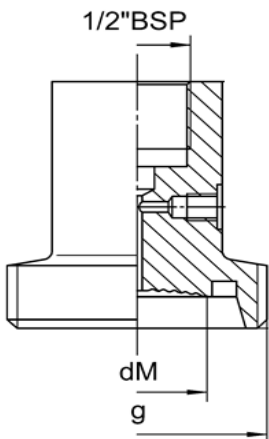
| TYPE     | DRAWING                                                                             | DIMENSIONS mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |        |      |      |            |      |      |    |      |   |    |    |    |    |     |     |    |        |        |    |    |       |    |   |     |    |     |    |   |    |    |     |      |    |     |    |    |         |     |      |    |     |   |     |         |     |    |      |     |    |    |    |      |     |            |      |    |    |      |     |     |  |      |  |      |     |      |    |    |     |     |      |     |            |      |    |    |     |     |  |     |  |      |  |    |     |      |    |    |     |      |  |     |      |     |  |     |  |      |
|----------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------|------|------|------------|------|------|----|------|---|----|----|----|----|-----|-----|----|--------|--------|----|----|-------|----|---|-----|----|-----|----|---|----|----|-----|------|----|-----|----|----|---------|-----|------|----|-----|---|-----|---------|-----|----|------|-----|----|----|----|------|-----|------------|------|----|----|------|-----|-----|--|------|--|------|-----|------|----|----|-----|-----|------|-----|------------|------|----|----|-----|-----|--|-----|--|------|--|----|-----|------|----|----|-----|------|--|-----|------|-----|--|-----|--|------|
| 19<br>20 |    |  <table><tr><th>DN</th><th>PN bar</th><th>b</th><th>d</th><th>d1</th><th>d2</th><th>f</th><th>g</th><th>k</th><th>t</th><th>x</th></tr><tr><td>15</td><td rowspan="3">40</td><td>69</td><td rowspan="3">99</td><td>99</td><td>45</td><td>2</td><td rowspan="3">4x M12</td><td>65</td><td rowspan="3">12</td><td>25</td></tr><tr><td>20</td><td></td><td>105</td><td>58</td><td>2,5</td><td>75</td><td></td></tr><tr><td>25</td><td>66</td><td>115</td><td>68</td><td>3</td><td>85</td><td>22</td></tr><tr><th>DN</th><th>Class</th><th>b</th><th>d</th><th>d1</th><th>d2</th><th>f</th><th>g</th><th>k</th><th>t</th><th>x</th></tr><tr><td>1/2"</td><td>150</td><td rowspan="6">74</td><td rowspan="7">99</td><td rowspan="3">99</td><td rowspan="3">34,9</td><td>1,6</td><td rowspan="3">1/2"UNF-20</td><td>60,3</td><td rowspan="6">15</td><td>30</td></tr><tr><td>1/2"</td><td>300</td><td colspan="2" rowspan="2">6,4</td><td>66,7</td><td></td></tr><tr><td>1/2"</td><td>600</td><td>66,7</td><td>35</td></tr><tr><td>1"</td><td>150</td><td>108</td><td rowspan="3">50,8</td><td>1,6</td><td rowspan="3">5/8"UNF-18</td><td>79,4</td><td>30</td></tr><tr><td>1"</td><td>300</td><td colspan="2" rowspan="2">124</td><td colspan="2" rowspan="2">6,4</td><td>88,9</td><td></td></tr><tr><td>1"</td><td>600</td><td>88,9</td><td>35</td></tr><tr><td>2"</td><td>150</td><td>66,4</td><td></td><td>152</td><td>92,1</td><td>1,6</td><td></td><td>121</td><td></td><td>19,1</td></tr></table> | DN | PN bar | b    | d    | d1         | d2   | f    | g  | k    | t | x  | 15 | 40 | 69 | 99  | 99  | 45 | 2      | 4x M12 | 65 | 12 | 25    | 20 |   | 105 | 58 | 2,5 | 75 |   | 25 | 66 | 115 | 68   | 3  | 85  | 22 | DN | Class   | b   | d    | d1 | d2  | f | g   | k       | t   | x  | 1/2" | 150 | 74 | 99 | 99 | 34,9 | 1,6 | 1/2"UNF-20 | 60,3 | 15 | 30 | 1/2" | 300 | 6,4 |  | 66,7 |  | 1/2" | 600 | 66,7 | 35 | 1" | 150 | 108 | 50,8 | 1,6 | 5/8"UNF-18 | 79,4 | 30 | 1" | 300 | 124 |  | 6,4 |  | 88,9 |  | 1" | 600 | 88,9 | 35 | 2" | 150 | 66,4 |  | 152 | 92,1 | 1,6 |  | 121 |  | 19,1 |
|          | DN                                                                                  | PN bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | b  | d      | d1   | d2   | f          | g    | k    | t  | x    |   |    |    |    |    |     |     |    |        |        |    |    |       |    |   |     |    |     |    |   |    |    |     |      |    |     |    |    |         |     |      |    |     |   |     |         |     |    |      |     |    |    |    |      |     |            |      |    |    |      |     |     |  |      |  |      |     |      |    |    |     |     |      |     |            |      |    |    |     |     |  |     |  |      |  |    |     |      |    |    |     |      |  |     |      |     |  |     |  |      |
| 15       | 40                                                                                  | 69                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 99 | 99     | 45   | 2    | 4x M12     | 65   | 12   | 25 |      |   |    |    |    |    |     |     |    |        |        |    |    |       |    |   |     |    |     |    |   |    |    |     |      |    |     |    |    |         |     |      |    |     |   |     |         |     |    |      |     |    |    |    |      |     |            |      |    |    |      |     |     |  |      |  |      |     |      |    |    |     |     |      |     |            |      |    |    |     |     |  |     |  |      |  |    |     |      |    |    |     |      |  |     |      |     |  |     |  |      |
| 20       |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    | 105    | 58   | 2,5  |            | 75   |      |    |      |   |    |    |    |    |     |     |    |        |        |    |    |       |    |   |     |    |     |    |   |    |    |     |      |    |     |    |    |         |     |      |    |     |   |     |         |     |    |      |     |    |    |    |      |     |            |      |    |    |      |     |     |  |      |  |      |     |      |    |    |     |     |      |     |            |      |    |    |     |     |  |     |  |      |  |    |     |      |    |    |     |      |  |     |      |     |  |     |  |      |
| 25       |                                                                                     | 66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |    | 115    | 68   | 3    |            | 85   |      | 22 |      |   |    |    |    |    |     |     |    |        |        |    |    |       |    |   |     |    |     |    |   |    |    |     |      |    |     |    |    |         |     |      |    |     |   |     |         |     |    |      |     |    |    |    |      |     |            |      |    |    |      |     |     |  |      |  |      |     |      |    |    |     |     |      |     |            |      |    |    |     |     |  |     |  |      |  |    |     |      |    |    |     |      |  |     |      |     |  |     |  |      |
| DN       | Class                                                                               | b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | d  | d1     | d2   | f    | g          | k    | t    | x  |      |   |    |    |    |    |     |     |    |        |        |    |    |       |    |   |     |    |     |    |   |    |    |     |      |    |     |    |    |         |     |      |    |     |   |     |         |     |    |      |     |    |    |    |      |     |            |      |    |    |      |     |     |  |      |  |      |     |      |    |    |     |     |      |     |            |      |    |    |     |     |  |     |  |      |  |    |     |      |    |    |     |      |  |     |      |     |  |     |  |      |
| 1/2"     | 150                                                                                 | 74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 99 | 99     | 34,9 | 1,6  | 1/2"UNF-20 | 60,3 | 15   | 30 |      |   |    |    |    |    |     |     |    |        |        |    |    |       |    |   |     |    |     |    |   |    |    |     |      |    |     |    |    |         |     |      |    |     |   |     |         |     |    |      |     |    |    |    |      |     |            |      |    |    |      |     |     |  |      |  |      |     |      |    |    |     |     |      |     |            |      |    |    |     |     |  |     |  |      |  |    |     |      |    |    |     |      |  |     |      |     |  |     |  |      |
| 1/2"     | 300                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |      | 6,4  |            | 66,7 |      |    |      |   |    |    |    |    |     |     |    |        |        |    |    |       |    |   |     |    |     |    |   |    |    |     |      |    |     |    |    |         |     |      |    |     |   |     |         |     |    |      |     |    |    |    |      |     |            |      |    |    |      |     |     |  |      |  |      |     |      |    |    |     |     |      |     |            |      |    |    |     |     |  |     |  |      |  |    |     |      |    |    |     |      |  |     |      |     |  |     |  |      |
| 1/2"     | 600                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |      |      |            | 66,7 |      | 35 |      |   |    |    |    |    |     |     |    |        |        |    |    |       |    |   |     |    |     |    |   |    |    |     |      |    |     |    |    |         |     |      |    |     |   |     |         |     |    |      |     |    |    |    |      |     |            |      |    |    |      |     |     |  |      |  |      |     |      |    |    |     |     |      |     |            |      |    |    |     |     |  |     |  |      |  |    |     |      |    |    |     |      |  |     |      |     |  |     |  |      |
| 1"       | 150                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    | 108    | 50,8 | 1,6  | 5/8"UNF-18 | 79,4 |      | 30 |      |   |    |    |    |    |     |     |    |        |        |    |    |       |    |   |     |    |     |    |   |    |    |     |      |    |     |    |    |         |     |      |    |     |   |     |         |     |    |      |     |    |    |    |      |     |            |      |    |    |      |     |     |  |      |  |      |     |      |    |    |     |     |      |     |            |      |    |    |     |     |  |     |  |      |  |    |     |      |    |    |     |      |  |     |      |     |  |     |  |      |
| 1"       | 300                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    | 124    |      | 6,4  |            | 88,9 |      |    |      |   |    |    |    |    |     |     |    |        |        |    |    |       |    |   |     |    |     |    |   |    |    |     |      |    |     |    |    |         |     |      |    |     |   |     |         |     |    |      |     |    |    |    |      |     |            |      |    |    |      |     |     |  |      |  |      |     |      |    |    |     |     |      |     |            |      |    |    |     |     |  |     |  |      |  |    |     |      |    |    |     |      |  |     |      |     |  |     |  |      |
| 1"       | 600                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |      |      |            | 88,9 |      | 35 |      |   |    |    |    |    |     |     |    |        |        |    |    |       |    |   |     |    |     |    |   |    |    |     |      |    |     |    |    |         |     |      |    |     |   |     |         |     |    |      |     |    |    |    |      |     |            |      |    |    |      |     |     |  |      |  |      |     |      |    |    |     |     |      |     |            |      |    |    |     |     |  |     |  |      |  |    |     |      |    |    |     |      |  |     |      |     |  |     |  |      |
| 2"       | 150                                                                                 | 66,4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |        | 152  | 92,1 | 1,6        |      | 121  |    | 19,1 |   |    |    |    |    |     |     |    |        |        |    |    |       |    |   |     |    |     |    |   |    |    |     |      |    |     |    |    |         |     |      |    |     |   |     |         |     |    |      |     |    |    |    |      |     |            |      |    |    |      |     |     |  |      |  |      |     |      |    |    |     |     |      |     |            |      |    |    |     |     |  |     |  |      |  |    |     |      |    |    |     |      |  |     |      |     |  |     |  |      |
|          | Open Flange                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |      |      |            |      |      |    |      |   |    |    |    |    |     |     |    |        |        |    |    |       |    |   |     |    |     |    |   |    |    |     |      |    |     |    |    |         |     |      |    |     |   |     |         |     |    |      |     |    |    |    |      |     |            |      |    |    |      |     |     |  |      |  |      |     |      |    |    |     |     |      |     |            |      |    |    |     |     |  |     |  |      |  |    |     |      |    |    |     |      |  |     |      |     |  |     |  |      |
| 21       |  |  <table><tr><th>DN</th><th>PN bar</th><th>b</th><th>d</th><th>d1</th><th>d2</th><th>f</th><th>g</th><th>k</th><th>x</th></tr><tr><td>50</td><td>40</td><td>64</td><td>99</td><td>165</td><td>102</td><td>3</td><td>4x ø18</td><td>125</td><td>20</td></tr><tr><th>DN</th><th>Class</th><th>b</th><th>d</th><th>d1</th><th>d2</th><th>f</th><th>g</th><th>k</th><th>x</th></tr><tr><td>2"</td><td>300</td><td rowspan="2">66,4</td><td rowspan="2">99</td><td rowspan="2">165</td><td></td><td></td><td>8 x ø19</td><td>127</td><td>22,2</td></tr><tr><td>2"</td><td>600</td><td></td><td>6,4</td><td>8 x ø19</td><td>127</td><td>32</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DN | PN bar | b    | d    | d1         | d2   | f    | g  | k    | x | 50 | 40 | 64 | 99 | 165 | 102 | 3  | 4x ø18 | 125    | 20 | DN | Class | b  | d | d1  | d2 | f   | g  | k | x  | 2" | 300 | 66,4 | 99 | 165 |    |    | 8 x ø19 | 127 | 22,2 | 2" | 600 |   | 6,4 | 8 x ø19 | 127 | 32 |      |     |    |    |    |      |     |            |      |    |    |      |     |     |  |      |  |      |     |      |    |    |     |     |      |     |            |      |    |    |     |     |  |     |  |      |  |    |     |      |    |    |     |      |  |     |      |     |  |     |  |      |
|          | DN                                                                                  | PN bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | b  | d      | d1   | d2   | f          | g    | k    | x  |      |   |    |    |    |    |     |     |    |        |        |    |    |       |    |   |     |    |     |    |   |    |    |     |      |    |     |    |    |         |     |      |    |     |   |     |         |     |    |      |     |    |    |    |      |     |            |      |    |    |      |     |     |  |      |  |      |     |      |    |    |     |     |      |     |            |      |    |    |     |     |  |     |  |      |  |    |     |      |    |    |     |      |  |     |      |     |  |     |  |      |
| 50       | 40                                                                                  | 64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 99 | 165    | 102  | 3    | 4x ø18     | 125  | 20   |    |      |   |    |    |    |    |     |     |    |        |        |    |    |       |    |   |     |    |     |    |   |    |    |     |      |    |     |    |    |         |     |      |    |     |   |     |         |     |    |      |     |    |    |    |      |     |            |      |    |    |      |     |     |  |      |  |      |     |      |    |    |     |     |      |     |            |      |    |    |     |     |  |     |  |      |  |    |     |      |    |    |     |      |  |     |      |     |  |     |  |      |
| DN       | Class                                                                               | b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | d  | d1     | d2   | f    | g          | k    | x    |    |      |   |    |    |    |    |     |     |    |        |        |    |    |       |    |   |     |    |     |    |   |    |    |     |      |    |     |    |    |         |     |      |    |     |   |     |         |     |    |      |     |    |    |    |      |     |            |      |    |    |      |     |     |  |      |  |      |     |      |    |    |     |     |      |     |            |      |    |    |     |     |  |     |  |      |  |    |     |      |    |    |     |      |  |     |      |     |  |     |  |      |
| 2"       | 300                                                                                 | 66,4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 99 | 165    |      |      | 8 x ø19    | 127  | 22,2 |    |      |   |    |    |    |    |     |     |    |        |        |    |    |       |    |   |     |    |     |    |   |    |    |     |      |    |     |    |    |         |     |      |    |     |   |     |         |     |    |      |     |    |    |    |      |     |            |      |    |    |      |     |     |  |      |  |      |     |      |    |    |     |     |      |     |            |      |    |    |     |     |  |     |  |      |  |    |     |      |    |    |     |      |  |     |      |     |  |     |  |      |
| 2"       | 600                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |      | 6,4  | 8 x ø19    | 127  | 32   |    |      |   |    |    |    |    |     |     |    |        |        |    |    |       |    |   |     |    |     |    |   |    |    |     |      |    |     |    |    |         |     |      |    |     |   |     |         |     |    |      |     |    |    |    |      |     |            |      |    |    |      |     |     |  |      |  |      |     |      |    |    |     |     |      |     |            |      |    |    |     |     |  |     |  |      |  |    |     |      |    |    |     |      |  |     |      |     |  |     |  |      |
|          | Open Flange                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |      |      |            |      |      |    |      |   |    |    |    |    |     |     |    |        |        |    |    |       |    |   |     |    |     |    |   |    |    |     |      |    |     |    |    |         |     |      |    |     |   |     |         |     |    |      |     |    |    |    |      |     |            |      |    |    |      |     |     |  |      |  |      |     |      |    |    |     |     |      |     |            |      |    |    |     |     |  |     |  |      |  |    |     |      |    |    |     |      |  |     |      |     |  |     |  |      |

» Other body and diaphragm materials: Hastelloy, Tantalum, Nickel, Titanium, Monel, Inconel etc., on demand.

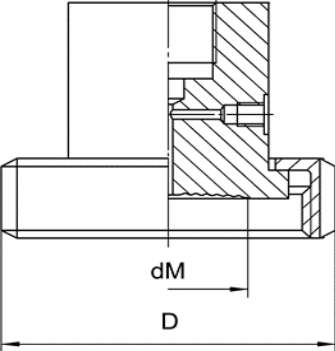
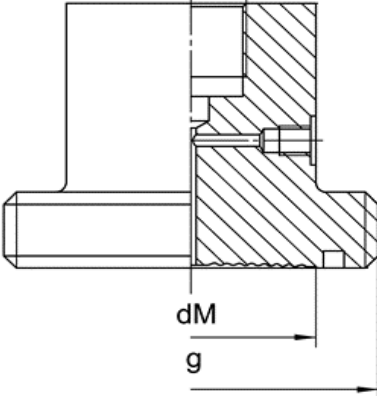
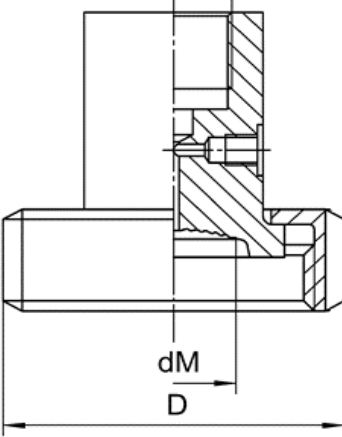
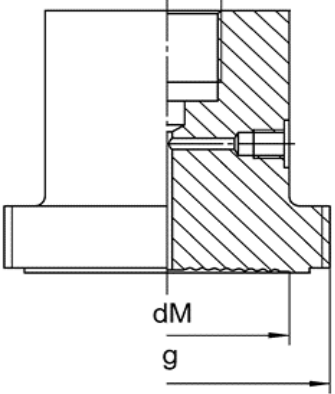
# "ALL STAINLESS" DIAPHRAGM SEAL PRESSURE GAUGE, TYPE PBS

| TYPE             | DRAWING                  | DIMENSIONS mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |           |      |    |      |    |          |          |     |    |    |    |          |    |          |    |    |    |    |      |    |    |   |   |     |      |      |
|------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------|------|----|------|----|----------|----------|-----|----|----|----|----------|----|----------|----|----|----|----|------|----|----|---|---|-----|------|------|
| 22<br>23         | <p><b>Paper Seal</b></p> | <table><tr><th>Tube<br/>(x - x1)</th><th>DN</th><th>PN</th><th>b</th><th>d1</th><th>d2</th><th>dM</th><th>g</th><th>k</th><th>x</th><th>x1</th><th>x2</th></tr><tr><td>15</td><td rowspan="2">48</td><td rowspan="2">40</td><td>66</td><td rowspan="2">85</td><td rowspan="2">59</td><td rowspan="2">38</td><td rowspan="2">6xø7</td><td rowspan="2">70</td><td>21</td><td rowspan="2">6</td><td rowspan="2">9</td></tr><tr><td>6,5</td><td>57,5</td><td>12,5</td></tr></table> | Tube<br>(x - x1) | DN        | PN   | b  | d1   | d2 | dM       | g        | k   | x  | x1 | x2 | 15       | 48 | 40       | 66 | 85 | 59 | 38 | 6xø7 | 70 | 21 | 6 | 9 | 6,5 | 57,5 | 12,5 |
| Tube<br>(x - x1) | DN                       | PN                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | b                | d1        | d2   | dM | g    | k  | x        | x1       | x2  |    |    |    |          |    |          |    |    |    |    |      |    |    |   |   |     |      |      |
| 15               | 48                       | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 66               | 85        | 59   | 38 | 6xø7 | 70 | 21       | 6        | 9   |    |    |    |          |    |          |    |    |    |    |      |    |    |   |   |     |      |      |
| 6,5              |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 57,5             |           |      |    |      |    | 12,5     |          |     |    |    |    |          |    |          |    |    |    |    |      |    |    |   |   |     |      |      |
| 24<br>25         | <p><b>PVC Seal</b></p>   | <table><tr><th>Q</th><th>PN<br/>bar</th><th>d</th><th>D</th><th>h</th><th>H</th></tr><tr><td>1/4\"BSP</td><td rowspan="2">10</td><td>25</td><td rowspan="2">80</td><td>18</td><td rowspan="2">86</td></tr><tr><td>1/2\"BSP</td><td>32</td><td>22</td></tr></table>                                                                                                                                                                                                              | Q                | PN<br>bar | d    | D  | h    | H  | 1/4\"BSP | 10       | 25  | 80 | 18 | 86 | 1/2\"BSP | 32 | 22       |    |    |    |    |      |    |    |   |   |     |      |      |
| Q                | PN<br>bar                | d                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | D                | h         | H    |    |      |    |          |          |     |    |    |    |          |    |          |    |    |    |    |      |    |    |   |   |     |      |      |
| 1/4\"BSP         | 10                       | 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 80               | 18        | 86   |    |      |    |          |          |     |    |    |    |          |    |          |    |    |    |    |      |    |    |   |   |     |      |      |
| 1/2\"BSP         |                          | 32                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  | 22        |      |    |      |    |          |          |     |    |    |    |          |    |          |    |    |    |    |      |    |    |   |   |     |      |      |
| 26               | <p><b>Mini Seal</b></p>  | <table><tr><th>DN</th><th>PN<br/>bar</th><th>c</th><th>c1</th><th>c2</th><th>d</th><th>x</th></tr><tr><td>1/2\"BSP</td><td rowspan="2">160</td><td>6</td><td>3</td><td>20</td><td rowspan="2">57,5</td><td>74</td></tr><tr><td>1/2\"NPT</td><td>—</td><td>—</td><td>19</td><td>73</td></tr></table>                                                                                                                                                                             | DN               | PN<br>bar | c    | c1 | c2   | d  | x        | 1/2\"BSP | 160 | 6  | 3  | 20 | 57,5     | 74 | 1/2\"NPT | —  | —  | 19 | 73 |      |    |    |   |   |     |      |      |
| DN               | PN<br>bar                | c                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | c1               | c2        | d    | x  |      |    |          |          |     |    |    |    |          |    |          |    |    |    |    |      |    |    |   |   |     |      |      |
| 1/2\"BSP         | 160                      | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3                | 20        | 57,5 | 74 |      |    |          |          |     |    |    |    |          |    |          |    |    |    |    |      |    |    |   |   |     |      |      |
| 1/2\"NPT         |                          | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | —                | 19        |      | 73 |      |    |          |          |     |    |    |    |          |    |          |    |    |    |    |      |    |    |   |   |     |      |      |

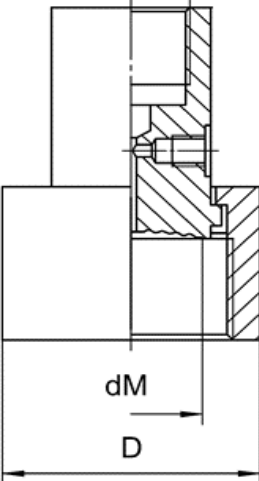
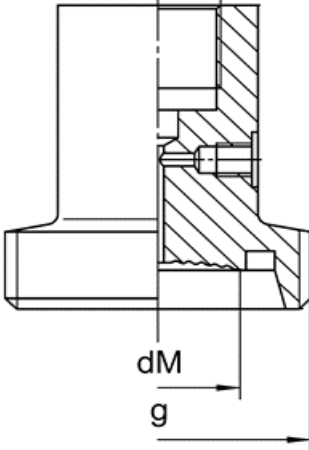
# "ALL STAINLESS" SANITARY PRESSURE GAUGE, TYPE PBQ

| TYPE              | DRAWING                                                                                                                                                                                            | DIMENSIONS mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |                 |               |    |                 |               |    |    |    |             |          |    |    |    |             |          |    |    |    |             |          |    |    |    |             |             |          |    |    |             |        |        |    |    |     |    |        |    |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------|---------------|----|-----------------|---------------|----|----|----|-------------|----------|----|----|----|-------------|----------|----|----|----|-------------|----------|----|----|----|-------------|-------------|----------|----|----|-------------|--------|--------|----|----|-----|----|--------|----|
| 01<br>02<br>03    | <div><div><div>1/2"BSP</div></div><div><div>DIN 11 851</div><div>GLAND PIECE + COUPLING NUT</div></div></div>     | <div></div> <table><tr><th>DN</th><th>PN bar</th><th>D</th><th>dM</th><th>For tube Male ø</th><th>Tube Female ø</th></tr><tr><td>25</td><td rowspan="3">40</td><td>63</td><td>26</td><td>29 x 1,5</td><td>26</td></tr><tr><td>32</td><td>70</td><td>32</td><td>35 x 1,5</td><td>32</td></tr><tr><td>40</td><td>78</td><td>38</td><td>41 x 1,5</td><td>38</td></tr><tr><td>50</td><td rowspan="3">25</td><td>92</td><td>48</td><td>53 x 1,5</td><td>50</td></tr><tr><td>65</td><td>112</td><td>60</td><td>70 x 2</td><td>66</td></tr><tr><td>80</td><td>127</td><td>72</td><td>85 x 2</td><td>81</td></tr></table>  | DN          | PN bar          | D             | dM | For tube Male ø | Tube Female ø | 25 | 40 | 63 | 26          | 29 x 1,5 | 26 | 32 | 70 | 32          | 35 x 1,5 | 32 | 40 | 78 | 38          | 41 x 1,5 | 38 | 50 | 25 | 92          | 48          | 53 x 1,5 | 50 | 65 | 112         | 60     | 70 x 2 | 66 | 80 | 127 | 72 | 85 x 2 | 81 |
| DN                | PN bar                                                                                                                                                                                             | D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | dM          | For tube Male ø | Tube Female ø |    |                 |               |    |    |    |             |          |    |    |    |             |          |    |    |    |             |          |    |    |    |             |             |          |    |    |             |        |        |    |    |     |    |        |    |
| 25                | 40                                                                                                                                                                                                 | 63                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 26          | 29 x 1,5        | 26            |    |                 |               |    |    |    |             |          |    |    |    |             |          |    |    |    |             |          |    |    |    |             |             |          |    |    |             |        |        |    |    |     |    |        |    |
| 32                |                                                                                                                                                                                                    | 70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 32          | 35 x 1,5        | 32            |    |                 |               |    |    |    |             |          |    |    |    |             |          |    |    |    |             |          |    |    |    |             |             |          |    |    |             |        |        |    |    |     |    |        |    |
| 40                |                                                                                                                                                                                                    | 78                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 38          | 41 x 1,5        | 38            |    |                 |               |    |    |    |             |          |    |    |    |             |          |    |    |    |             |          |    |    |    |             |             |          |    |    |             |        |        |    |    |     |    |        |    |
| 50                | 25                                                                                                                                                                                                 | 92                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 48          | 53 x 1,5        | 50            |    |                 |               |    |    |    |             |          |    |    |    |             |          |    |    |    |             |          |    |    |    |             |             |          |    |    |             |        |        |    |    |     |    |        |    |
| 65                |                                                                                                                                                                                                    | 112                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 60          | 70 x 2          | 66            |    |                 |               |    |    |    |             |          |    |    |    |             |          |    |    |    |             |          |    |    |    |             |             |          |    |    |             |        |        |    |    |     |    |        |    |
| 80                |                                                                                                                                                                                                    | 127                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 72          | 85 x 2          | 81            |    |                 |               |    |    |    |             |          |    |    |    |             |          |    |    |    |             |          |    |    |    |             |             |          |    |    |             |        |        |    |    |     |    |        |    |
| 04<br>05          | <div><div><div>1/2"BSP</div></div><div><div>DIN 11 851</div><div>THREAD PIECE</div></div></div>                  | <div></div> <table><tr><th>DN</th><th>PN bar</th><th>dM</th><th>g</th><th>For tube Male ø</th><th>Tube Female ø</th></tr><tr><td>25</td><td rowspan="5">40</td><td>26</td><td>Rd 52 x 1/6</td><td>29 x 1,5</td><td>26</td></tr><tr><td>32</td><td>32</td><td>Rd 58 x 1/6</td><td>35 x 1,5</td><td>32</td></tr><tr><td>40</td><td>38</td><td>Rd 65 x 1/6</td><td>41 x 1,5</td><td>38</td></tr><tr><td>50</td><td>48</td><td>Rd 78 x 1/6</td><td>53 x 1,5</td><td>50</td></tr><tr><td>65</td><td>60</td><td>Rd 95 x 1/6</td><td>70 x 2</td><td>66</td></tr></table>                                                  | DN          | PN bar          | dM            | g  | For tube Male ø | Tube Female ø | 25 | 40 | 26 | Rd 52 x 1/6 | 29 x 1,5 | 26 | 32 | 32 | Rd 58 x 1/6 | 35 x 1,5 | 32 | 40 | 38 | Rd 65 x 1/6 | 41 x 1,5 | 38 | 50 | 48 | Rd 78 x 1/6 | 53 x 1,5    | 50       | 65 | 60 | Rd 95 x 1/6 | 70 x 2 | 66     |    |    |     |    |        |    |
| DN                | PN bar                                                                                                                                                                                             | dM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | g           | For tube Male ø | Tube Female ø |    |                 |               |    |    |    |             |          |    |    |    |             |          |    |    |    |             |          |    |    |    |             |             |          |    |    |             |        |        |    |    |     |    |        |    |
| 25                | 40                                                                                                                                                                                                 | 26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Rd 52 x 1/6 | 29 x 1,5        | 26            |    |                 |               |    |    |    |             |          |    |    |    |             |          |    |    |    |             |          |    |    |    |             |             |          |    |    |             |        |        |    |    |     |    |        |    |
| 32                |                                                                                                                                                                                                    | 32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Rd 58 x 1/6 | 35 x 1,5        | 32            |    |                 |               |    |    |    |             |          |    |    |    |             |          |    |    |    |             |          |    |    |    |             |             |          |    |    |             |        |        |    |    |     |    |        |    |
| 40                |                                                                                                                                                                                                    | 38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Rd 65 x 1/6 | 41 x 1,5        | 38            |    |                 |               |    |    |    |             |          |    |    |    |             |          |    |    |    |             |          |    |    |    |             |             |          |    |    |             |        |        |    |    |     |    |        |    |
| 50                |                                                                                                                                                                                                    | 48                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Rd 78 x 1/6 | 53 x 1,5        | 50            |    |                 |               |    |    |    |             |          |    |    |    |             |          |    |    |    |             |          |    |    |    |             |             |          |    |    |             |        |        |    |    |     |    |        |    |
| 65                |                                                                                                                                                                                                    | 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Rd 95 x 1/6 | 70 x 2          | 66            |    |                 |               |    |    |    |             |          |    |    |    |             |          |    |    |    |             |          |    |    |    |             |             |          |    |    |             |        |        |    |    |     |    |        |    |
| 010<br>020<br>030 | <div><div><div>1/2"BSP</div></div><div><div>DIN 11 864-1</div><div>GLAND PIECE + COUPLING NUT</div></div></div> | <div></div> <table><tr><th>DN</th><th>PN bar</th><th>D</th><th>dM</th><th>For tube Male ø</th><th>Tube Female ø</th></tr><tr><td>25</td><td rowspan="3">40</td><td>63</td><td>21</td><td>29 x 1,5</td><td>26</td></tr><tr><td>32</td><td>70</td><td>28</td><td>35 x 1,5</td><td>32</td></tr><tr><td>40</td><td>78</td><td>34</td><td>41 x 1,5</td><td>38</td></tr><tr><td>50</td><td rowspan="3">25</td><td>92</td><td>46</td><td>53 x 1,5</td><td>50</td></tr><tr><td>65</td><td>112</td><td>60</td><td>70x 2</td><td>66</td></tr><tr><td>80</td><td>127</td><td>72</td><td>85 x 2</td><td>81</td></tr></table> | DN          | PN bar          | D             | dM | For tube Male ø | Tube Female ø | 25 | 40 | 63 | 21          | 29 x 1,5 | 26 | 32 | 70 | 28          | 35 x 1,5 | 32 | 40 | 78 | 34          | 41 x 1,5 | 38 | 50 | 25 | 92          | 46          | 53 x 1,5 | 50 | 65 | 112         | 60     | 70x 2  | 66 | 80 | 127 | 72 | 85 x 2 | 81 |
| DN                | PN bar                                                                                                                                                                                             | D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | dM          | For tube Male ø | Tube Female ø |    |                 |               |    |    |    |             |          |    |    |    |             |          |    |    |    |             |          |    |    |    |             |             |          |    |    |             |        |        |    |    |     |    |        |    |
| 25                | 40                                                                                                                                                                                                 | 63                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 21          | 29 x 1,5        | 26            |    |                 |               |    |    |    |             |          |    |    |    |             |          |    |    |    |             |          |    |    |    |             |             |          |    |    |             |        |        |    |    |     |    |        |    |
| 32                |                                                                                                                                                                                                    | 70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 28          | 35 x 1,5        | 32            |    |                 |               |    |    |    |             |          |    |    |    |             |          |    |    |    |             |          |    |    |    |             |             |          |    |    |             |        |        |    |    |     |    |        |    |
| 40                |                                                                                                                                                                                                    | 78                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 34          | 41 x 1,5        | 38            |    |                 |               |    |    |    |             |          |    |    |    |             |          |    |    |    |             |          |    |    |    |             |             |          |    |    |             |        |        |    |    |     |    |        |    |
| 50                | 25                                                                                                                                                                                                 | 92                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 46          | 53 x 1,5        | 50            |    |                 |               |    |    |    |             |          |    |    |    |             |          |    |    |    |             |          |    |    |    |             |             |          |    |    |             |        |        |    |    |     |    |        |    |
| 65                |                                                                                                                                                                                                    | 112                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 60          | 70x 2           | 66            |    |                 |               |    |    |    |             |          |    |    |    |             |          |    |    |    |             |          |    |    |    |             |             |          |    |    |             |        |        |    |    |     |    |        |    |
| 80                |                                                                                                                                                                                                    | 127                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 72          | 85 x 2          | 81            |    |                 |               |    |    |    |             |          |    |    |    |             |          |    |    |    |             |          |    |    |    |             |             |          |    |    |             |        |        |    |    |     |    |        |    |
| 040<br>050        | <div><div><div>1/2"BSP</div></div><div><div>DIN 11 864-1</div><div>THREAD PIECE</div></div></div>               | <div></div> <table><tr><th>DN</th><th>PN bar</th><th>dM</th><th>g</th><th>For tube Male ø</th><th>Tube Female ø</th></tr><tr><td>25</td><td rowspan="3">40</td><td>21</td><td>Rd 52 x 1/6</td><td>29 x 1,5</td><td>26</td></tr><tr><td>32</td><td>28</td><td>Rd 58 x 1/6</td><td>35 x 1,5</td><td>32</td></tr><tr><td>40</td><td>34</td><td>Rd 65 x 1/6</td><td>41 x 1,5</td><td>38</td></tr><tr><td>50</td><td>25</td><td>46</td><td>Rd 78 x 1/6</td><td>53 x 1,5</td><td>50</td></tr></table>                                                                                                                  | DN          | PN bar          | dM            | g  | For tube Male ø | Tube Female ø | 25 | 40 | 21 | Rd 52 x 1/6 | 29 x 1,5 | 26 | 32 | 28 | Rd 58 x 1/6 | 35 x 1,5 | 32 | 40 | 34 | Rd 65 x 1/6 | 41 x 1,5 | 38 | 50 | 25 | 46          | Rd 78 x 1/6 | 53 x 1,5 | 50 |    |             |        |        |    |    |     |    |        |    |
| DN                | PN bar                                                                                                                                                                                             | dM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | g           | For tube Male ø | Tube Female ø |    |                 |               |    |    |    |             |          |    |    |    |             |          |    |    |    |             |          |    |    |    |             |             |          |    |    |             |        |        |    |    |     |    |        |    |
| 25                | 40                                                                                                                                                                                                 | 21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Rd 52 x 1/6 | 29 x 1,5        | 26            |    |                 |               |    |    |    |             |          |    |    |    |             |          |    |    |    |             |          |    |    |    |             |             |          |    |    |             |        |        |    |    |     |    |        |    |
| 32                |                                                                                                                                                                                                    | 28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Rd 58 x 1/6 | 35 x 1,5        | 32            |    |                 |               |    |    |    |             |          |    |    |    |             |          |    |    |    |             |          |    |    |    |             |             |          |    |    |             |        |        |    |    |     |    |        |    |
| 40                |                                                                                                                                                                                                    | 34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Rd 65 x 1/6 | 41 x 1,5        | 38            |    |                 |               |    |    |    |             |          |    |    |    |             |          |    |    |    |             |          |    |    |    |             |             |          |    |    |             |        |        |    |    |     |    |        |    |
| 50                | 25                                                                                                                                                                                                 | 46                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Rd 78 x 1/6 | 53 x 1,5        | 50            |    |                 |               |    |    |    |             |          |    |    |    |             |          |    |    |    |             |          |    |    |    |             |             |          |    |    |             |        |        |    |    |     |    |        |    |

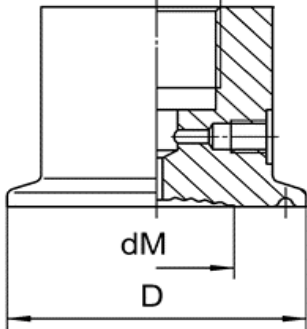
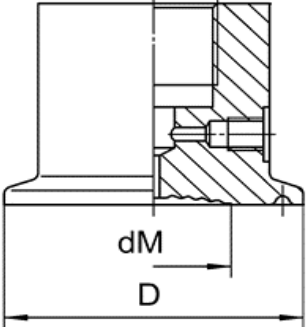
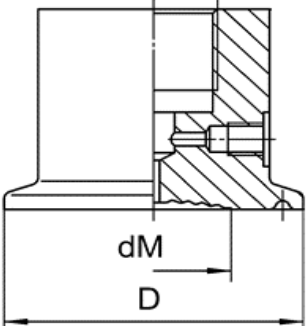
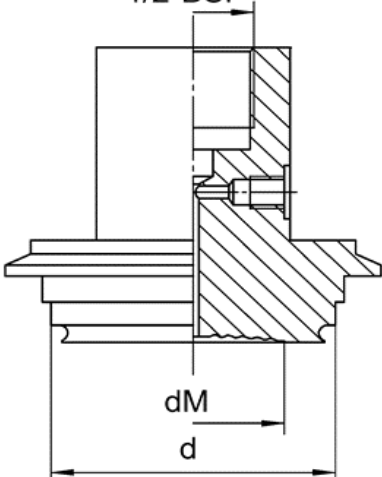
## "ALL STAINLESS" SANITARY PRESSURE GAUGE, TYPE PBQ

| TYPE         | DRAWING                                                                                                                                                                        | DIMENSIONS mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |            |                 |               |                 |               |        |    |    |             |            |      |        |    |             |            |      |    |    |    |            |      |        |    |    |     |            |      |    |    |     |            |      |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|-----------------|---------------|-----------------|---------------|--------|----|----|-------------|------------|------|--------|----|-------------|------------|------|----|----|----|------------|------|--------|----|----|-----|------------|------|----|----|-----|------------|------|
| 06<br><br>07 | <div><div>1/2"BSP</div><div></div><div>SMS<br/>GLAND PIECE + COUPLING NUT</div></div>         | <div></div> <table><tr><th>NPS</th><th>PN bar</th><th>dM</th><th>D</th><th>For tube Male ø</th><th>Tube Female ø</th></tr><tr><td>1"</td><td rowspan="3">40</td><td>19</td><td>51</td><td>25 x 1,2</td><td>22,6</td></tr><tr><td>1 1/2"</td><td>32</td><td>74</td><td>38 x 1,2</td><td>35,6</td></tr><tr><td>2"</td><td>46</td><td>84</td><td>51 x 1,2</td><td>48,6</td></tr><tr><td>2 1/2"</td><td rowspan="2">25</td><td>56</td><td>100</td><td>63,5 x 1,6</td><td>60,3</td></tr><tr><td>3"</td><td>66</td><td>114</td><td>76,4 x 1,6</td><td>72,9</td></tr></table> | NPS         | PN bar     | dM              | D             | For tube Male ø | Tube Female ø | 1"     | 40 | 19 | 51          | 25 x 1,2   | 22,6 | 1 1/2" | 32 | 74          | 38 x 1,2   | 35,6 | 2" | 46 | 84 | 51 x 1,2   | 48,6 | 2 1/2" | 25 | 56 | 100 | 63,5 x 1,6 | 60,3 | 3" | 66 | 114 | 76,4 x 1,6 | 72,9 |
|              | NPS                                                                                                                                                                            | PN bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | dM          | D          | For tube Male ø | Tube Female ø |                 |               |        |    |    |             |            |      |        |    |             |            |      |    |    |    |            |      |        |    |    |     |            |      |    |    |     |            |      |
| 1"           | 40                                                                                                                                                                             | 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 51          | 25 x 1,2   | 22,6            |               |                 |               |        |    |    |             |            |      |        |    |             |            |      |    |    |    |            |      |        |    |    |     |            |      |    |    |     |            |      |
| 1 1/2"       |                                                                                                                                                                                | 32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 74          | 38 x 1,2   | 35,6            |               |                 |               |        |    |    |             |            |      |        |    |             |            |      |    |    |    |            |      |        |    |    |     |            |      |    |    |     |            |      |
| 2"           |                                                                                                                                                                                | 46                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 84          | 51 x 1,2   | 48,6            |               |                 |               |        |    |    |             |            |      |        |    |             |            |      |    |    |    |            |      |        |    |    |     |            |      |    |    |     |            |      |
| 2 1/2"       | 25                                                                                                                                                                             | 56                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 100         | 63,5 x 1,6 | 60,3            |               |                 |               |        |    |    |             |            |      |        |    |             |            |      |    |    |    |            |      |        |    |    |     |            |      |    |    |     |            |      |
| 3"           |                                                                                                                                                                                | 66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 114         | 76,4 x 1,6 | 72,9            |               |                 |               |        |    |    |             |            |      |        |    |             |            |      |    |    |    |            |      |        |    |    |     |            |      |    |    |     |            |      |
| 08<br><br>09 | <div><div>1/2"BSP</div><div></div><div>SMS<br/>THREAD PIECE</div></div>                      | <div></div> <table><tr><th>NPS</th><th>PN bar</th><th>dM</th><th>g</th><th>For tube Male ø</th><th>Tube Female ø</th></tr><tr><td>1 1/2"</td><td rowspan="2">40</td><td>32</td><td>Rd 60-6</td><td>38 x 1,2</td><td>35,6</td></tr><tr><td>2"</td><td>46</td><td>Rd 70-6</td><td>51 x 1,2</td><td>48,6</td></tr></table>                                                                                                                                                                                                                                                 | NPS         | PN bar     | dM              | g             | For tube Male ø | Tube Female ø | 1 1/2" | 40 | 32 | Rd 60-6     | 38 x 1,2   | 35,6 | 2"     | 46 | Rd 70-6     | 51 x 1,2   | 48,6 |    |    |    |            |      |        |    |    |     |            |      |    |    |     |            |      |
|              | NPS                                                                                                                                                                            | PN bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | dM          | g          | For tube Male ø | Tube Female ø |                 |               |        |    |    |             |            |      |        |    |             |            |      |    |    |    |            |      |        |    |    |     |            |      |    |    |     |            |      |
| 1 1/2"       | 40                                                                                                                                                                             | 32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Rd 60-6     | 38 x 1,2   | 35,6            |               |                 |               |        |    |    |             |            |      |        |    |             |            |      |    |    |    |            |      |        |    |    |     |            |      |    |    |     |            |      |
| 2"           |                                                                                                                                                                                | 46                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Rd 70-6     | 51 x 1,2   | 48,6            |               |                 |               |        |    |    |             |            |      |        |    |             |            |      |    |    |    |            |      |        |    |    |     |            |      |    |    |     |            |      |
| 10<br><br>11 | <div><div>1/2"BSP</div><div></div><div>APV - RJT<br/>GLAND PIECE + COUPLING NUT</div></div> | <div></div> <table><tr><th>NPS</th><th>PN bar</th><th>dM</th><th>SW (D)</th><th>For tube Male ø</th><th>Tube Female ø</th></tr><tr><td>1"</td><td rowspan="3">40</td><td>19</td><td>51</td><td>25,4 x 1,6</td><td>22,2</td></tr><tr><td>1 1/2"</td><td>32</td><td>65</td><td>38,1 x 1,6</td><td>34,9</td></tr><tr><td>2"</td><td>38</td><td>79</td><td>50,8 x 1,6</td><td>47,6</td></tr></table>                                                                                                                                                                      | NPS         | PN bar     | dM              | SW (D)        | For tube Male ø | Tube Female ø | 1"     | 40 | 19 | 51          | 25,4 x 1,6 | 22,2 | 1 1/2" | 32 | 65          | 38,1 x 1,6 | 34,9 | 2" | 38 | 79 | 50,8 x 1,6 | 47,6 |        |    |    |     |            |      |    |    |     |            |      |
|              | NPS                                                                                                                                                                            | PN bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | dM          | SW (D)     | For tube Male ø | Tube Female ø |                 |               |        |    |    |             |            |      |        |    |             |            |      |    |    |    |            |      |        |    |    |     |            |      |    |    |     |            |      |
| 1"           | 40                                                                                                                                                                             | 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 51          | 25,4 x 1,6 | 22,2            |               |                 |               |        |    |    |             |            |      |        |    |             |            |      |    |    |    |            |      |        |    |    |     |            |      |    |    |     |            |      |
| 1 1/2"       |                                                                                                                                                                                | 32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 65          | 38,1 x 1,6 | 34,9            |               |                 |               |        |    |    |             |            |      |        |    |             |            |      |    |    |    |            |      |        |    |    |     |            |      |    |    |     |            |      |
| 2"           |                                                                                                                                                                                | 38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 79          | 50,8 x 1,6 | 47,6            |               |                 |               |        |    |    |             |            |      |        |    |             |            |      |    |    |    |            |      |        |    |    |     |            |      |    |    |     |            |      |
| 12<br><br>13 | <div><div>1/2"BSP</div><div></div><div>APV - RJT<br/>THREAD PIECE</div></div>               | <div></div> <table><tr><th>NPS</th><th>PN bar</th><th>dM</th><th>g</th><th>For tube Male ø</th><th>Tube Female ø</th></tr><tr><td>1 1/2"</td><td rowspan="2">40</td><td>32</td><td>2 5/16x1/8"</td><td>38,1 x 1,6</td><td>34,9</td></tr><tr><td>2"</td><td>38</td><td>2 7/8x1/16"</td><td>50,8 x 1,6</td><td>47,6</td></tr></table>                                                                                                                                                                                                                                  | NPS         | PN bar     | dM              | g             | For tube Male ø | Tube Female ø | 1 1/2" | 40 | 32 | 2 5/16x1/8" | 38,1 x 1,6 | 34,9 | 2"     | 38 | 2 7/8x1/16" | 50,8 x 1,6 | 47,6 |    |    |    |            |      |        |    |    |     |            |      |    |    |     |            |      |
|              | NPS                                                                                                                                                                            | PN bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | dM          | g          | For tube Male ø | Tube Female ø |                 |               |        |    |    |             |            |      |        |    |             |            |      |    |    |    |            |      |        |    |    |     |            |      |    |    |     |            |      |
| 1 1/2"       | 40                                                                                                                                                                             | 32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2 5/16x1/8" | 38,1 x 1,6 | 34,9            |               |                 |               |        |    |    |             |            |      |        |    |             |            |      |    |    |    |            |      |        |    |    |     |            |      |    |    |     |            |      |
| 2"           |                                                                                                                                                                                | 38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2 7/8x1/16" | 50,8 x 1,6 | 47,6            |               |                 |               |        |    |    |             |            |      |        |    |             |            |      |    |    |    |            |      |        |    |    |     |            |      |    |    |     |            |      |

## "ALL STAINLESS" SANITARY PRESSURE GAUGE, TYPE PBQ

| TYPE         | DRAWING                                                                                                                                                                                 | DIMENSIONS mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |            |                 |               |                 |               |      |    |    |           |            |      |      |    |       |            |      |    |    |    |            |      |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|-----------------|---------------|-----------------|---------------|------|----|----|-----------|------------|------|------|----|-------|------------|------|----|----|----|------------|------|
| 14<br><br>15 | <div><div>1/2"BSP</div><div></div><div>ISO 2853 (IDF)</div><div>GLAND PIECE + COUPLING NUT</div></div> | <div></div> <table><tr><th>NPS</th><th>PN bar</th><th>dM</th><th>D</th><th>For tube Male ø</th><th>Tube Female ø</th></tr><tr><td>1"</td><td rowspan="3">40</td><td>19</td><td>52</td><td>25,6 x 1,5</td><td>22,6</td></tr><tr><td>1 ½"</td><td>32</td><td>64</td><td>38,6 x 1,5</td><td>35,6</td></tr><tr><td>2"</td><td>46</td><td>79</td><td>51,6 x 1,5</td><td>48,6</td></tr></table> | NPS       | PN bar     | dM              | D             | For tube Male ø | Tube Female ø | 1"   | 40 | 19 | 52        | 25,6 x 1,5 | 22,6 | 1 ½" | 32 | 64    | 38,6 x 1,5 | 35,6 | 2" | 46 | 79 | 51,6 x 1,5 | 48,6 |
|              | NPS                                                                                                                                                                                     | PN bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | dM        | D          | For tube Male ø | Tube Female ø |                 |               |      |    |    |           |            |      |      |    |       |            |      |    |    |    |            |      |
| 1"           | 40                                                                                                                                                                                      | 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 52        | 25,6 x 1,5 | 22,6            |               |                 |               |      |    |    |           |            |      |      |    |       |            |      |    |    |    |            |      |
| 1 ½"         |                                                                                                                                                                                         | 32                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 64        | 38,6 x 1,5 | 35,6            |               |                 |               |      |    |    |           |            |      |      |    |       |            |      |    |    |    |            |      |
| 2"           |                                                                                                                                                                                         | 46                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 79        | 51,6 x 1,5 | 48,6            |               |                 |               |      |    |    |           |            |      |      |    |       |            |      |    |    |    |            |      |
| 16<br><br>17 | <div><div>1/2"BSP</div><div></div><div>ISO 2853 (IDF)</div><div>THREAD PIECE</div></div>              | <div></div> <table><tr><th>NPS</th><th>PN bar</th><th>dM</th><th>g</th><th>For tube Male ø</th><th>Tube Female ø</th></tr><tr><td>1 ½"</td><td rowspan="2">40</td><td>34</td><td>1 1/2"IDF</td><td>38,6 x 1,5</td><td>35,6</td></tr><tr><td>2"</td><td>45</td><td>2"IDF</td><td>51,6 x 1,5</td><td>48,6</td></tr></table>                                                                | NPS       | PN bar     | dM              | g             | For tube Male ø | Tube Female ø | 1 ½" | 40 | 34 | 1 1/2"IDF | 38,6 x 1,5 | 35,6 | 2"   | 45 | 2"IDF | 51,6 x 1,5 | 48,6 |    |    |    |            |      |
|              | NPS                                                                                                                                                                                     | PN bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | dM        | g          | For tube Male ø | Tube Female ø |                 |               |      |    |    |           |            |      |      |    |       |            |      |    |    |    |            |      |
| 1 ½"         | 40                                                                                                                                                                                      | 34                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1 1/2"IDF | 38,6 x 1,5 | 35,6            |               |                 |               |      |    |    |           |            |      |      |    |       |            |      |    |    |    |            |      |
| 2"           |                                                                                                                                                                                         | 45                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2"IDF     | 51,6 x 1,5 | 48,6            |               |                 |               |      |    |    |           |            |      |      |    |       |            |      |    |    |    |            |      |

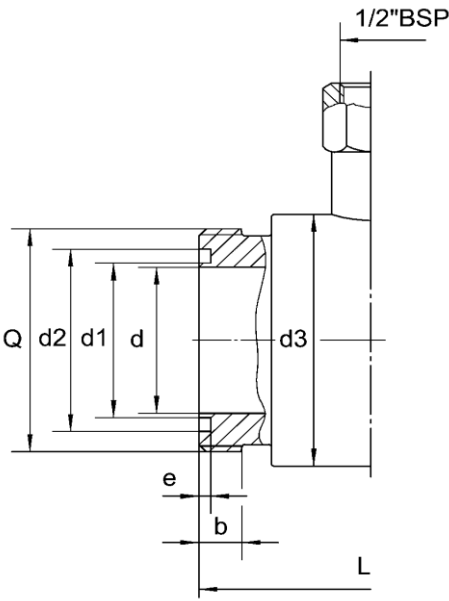
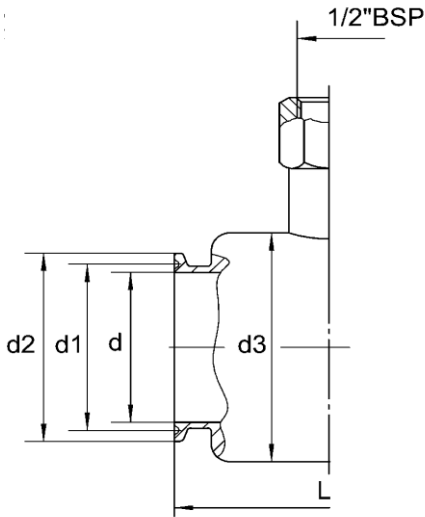
# "ALL STAINLESS" SANITARY PRESSURE GAUGE, TYPE PBQ

| TYPE              | DRAWING                                                                                                                                                                                                      | DIMENSIONS mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              |                 |                         |                              |                 |               |           |    |      |    |          |      |               |             |               |             |               |           |    |    |          |          |             |                 |            |      |          |            |       |             |            |        |            |      |        |    |  |    |            |      |          |      |    |    |    |    |    |            |      |          |      |        |      |      |    |            |      |          |      |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------|-------------------------|------------------------------|-----------------|---------------|-----------|----|------|----|----------|------|---------------|-------------|---------------|-------------|---------------|-----------|----|----|----------|----------|-------------|-----------------|------------|------|----------|------------|-------|-------------|------------|--------|------------|------|--------|----|--|----|------------|------|----------|------|----|----|----|----|----|------------|------|----------|------|--------|------|------|----|------------|------|----------|------|
| 18<br>19          | <div><p>1/2"BSP</p><p>ISO 2852</p><p>Tri - Clamp</p><p>dM</p><p>D</p><p>For pipes per ISO 2037 and BS 4825 Part 1</p></div> | <div></div> <table><tr><th>DN</th><th>PN bar</th><th>D</th><th>dM</th><th>For tube Male ø</th><th>Tube Female ø</th></tr><tr><td>DN25 - 1"</td><td rowspan="3">40</td><td>50,5</td><td>21</td><td>25 x 1,2</td><td>22,6</td></tr><tr><td>DN38 - 1 1/2"</td><td></td><td>32</td><td>38 x 1,2</td><td>35,6</td></tr><tr><td>DN51 - 2"</td><td></td><td>64</td><td>46</td><td>51 x 1,2</td><td>48,6</td></tr><tr><td>DN63,5 - 2 1/2"</td><td rowspan="2">25</td><td>77,5</td><td>56</td><td>63,5 x 1,6</td><td>60,3</td></tr><tr><td>DN76,1 - 3"</td><td>91</td><td>66</td><td>76,1 x 1,6</td><td>72,9</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                          | DN                           | PN bar          | D                       | dM                           | For tube Male ø | Tube Female ø | DN25 - 1" | 40 | 50,5 | 21 | 25 x 1,2 | 22,6 | DN38 - 1 1/2" |             | 32            | 38 x 1,2    | 35,6          | DN51 - 2" |    | 64 | 46       | 51 x 1,2 | 48,6        | DN63,5 - 2 1/2" | 25         | 77,5 | 56       | 63,5 x 1,6 | 60,3  | DN76,1 - 3" | 91         | 66     | 76,1 x 1,6 | 72,9 |        |    |  |    |            |      |          |      |    |    |    |    |    |            |      |          |      |        |      |      |    |            |      |          |      |
| DN                | PN bar                                                                                                                                                                                                       | D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | dM                           | For tube Male ø | Tube Female ø           |                              |                 |               |           |    |      |    |          |      |               |             |               |             |               |           |    |    |          |          |             |                 |            |      |          |            |       |             |            |        |            |      |        |    |  |    |            |      |          |      |    |    |    |    |    |            |      |          |      |        |      |      |    |            |      |          |      |
| DN25 - 1"         | 40                                                                                                                                                                                                           | 50,5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 21                           | 25 x 1,2        | 22,6                    |                              |                 |               |           |    |      |    |          |      |               |             |               |             |               |           |    |    |          |          |             |                 |            |      |          |            |       |             |            |        |            |      |        |    |  |    |            |      |          |      |    |    |    |    |    |            |      |          |      |        |      |      |    |            |      |          |      |
| DN38 - 1 1/2"     |                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 32                           | 38 x 1,2        | 35,6                    |                              |                 |               |           |    |      |    |          |      |               |             |               |             |               |           |    |    |          |          |             |                 |            |      |          |            |       |             |            |        |            |      |        |    |  |    |            |      |          |      |    |    |    |    |    |            |      |          |      |        |      |      |    |            |      |          |      |
| DN51 - 2"         |                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 64                           | 46              | 51 x 1,2                | 48,6                         |                 |               |           |    |      |    |          |      |               |             |               |             |               |           |    |    |          |          |             |                 |            |      |          |            |       |             |            |        |            |      |        |    |  |    |            |      |          |      |    |    |    |    |    |            |      |          |      |        |      |      |    |            |      |          |      |
| DN63,5 - 2 1/2"   | 25                                                                                                                                                                                                           | 77,5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 56                           | 63,5 x 1,6      | 60,3                    |                              |                 |               |           |    |      |    |          |      |               |             |               |             |               |           |    |    |          |          |             |                 |            |      |          |            |       |             |            |        |            |      |        |    |  |    |            |      |          |      |    |    |    |    |    |            |      |          |      |        |      |      |    |            |      |          |      |
| DN76,1 - 3"       |                                                                                                                                                                                                              | 91                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 66                           | 76,1 x 1,6      | 72,9                    |                              |                 |               |           |    |      |    |          |      |               |             |               |             |               |           |    |    |          |          |             |                 |            |      |          |            |       |             |            |        |            |      |        |    |  |    |            |      |          |      |    |    |    |    |    |            |      |          |      |        |      |      |    |            |      |          |      |
| 181<br>182<br>183 | <div><p>1/2"BSP</p><p>DIN 32 676</p><p>Tri - Clamp</p><p>dM</p><p>D</p><p>For pipes per DIN 11 850</p></div>               | <div></div> <table><tr><th>NPS</th><th>PN bar</th><th>D</th><th>dM</th><th>For tube Male ø</th><th>Tube Female ø</th></tr><tr><td>DN 25</td><td rowspan="3">40</td><td>50,5</td><td>24</td><td>29 x 1,5</td><td>26</td></tr><tr><td>DN 32</td><td></td><td>28</td><td>35 x 1,5</td><td>32</td></tr><tr><td>DN 40</td><td></td><td>32</td><td>41 x 1,5</td><td>38</td></tr><tr><td>DN 50</td><td rowspan="2">25</td><td>64</td><td>46</td><td>53 x 1,5</td><td>50</td></tr><tr><td>DN 65</td><td>91</td><td>60</td><td>70 x 2</td><td>66</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | NPS                          | PN bar          | D                       | dM                           | For tube Male ø | Tube Female ø | DN 25     | 40 | 50,5 | 24 | 29 x 1,5 | 26   | DN 32         |             | 28            | 35 x 1,5    | 32            | DN 40     |    | 32 | 41 x 1,5 | 38       | DN 50       | 25              | 64         | 46   | 53 x 1,5 | 50         | DN 65 | 91          | 60         | 70 x 2 | 66         |      |        |    |  |    |            |      |          |      |    |    |    |    |    |            |      |          |      |        |      |      |    |            |      |          |      |
| NPS               | PN bar                                                                                                                                                                                                       | D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | dM                           | For tube Male ø | Tube Female ø           |                              |                 |               |           |    |      |    |          |      |               |             |               |             |               |           |    |    |          |          |             |                 |            |      |          |            |       |             |            |        |            |      |        |    |  |    |            |      |          |      |    |    |    |    |    |            |      |          |      |        |      |      |    |            |      |          |      |
| DN 25             | 40                                                                                                                                                                                                           | 50,5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 24                           | 29 x 1,5        | 26                      |                              |                 |               |           |    |      |    |          |      |               |             |               |             |               |           |    |    |          |          |             |                 |            |      |          |            |       |             |            |        |            |      |        |    |  |    |            |      |          |      |    |    |    |    |    |            |      |          |      |        |      |      |    |            |      |          |      |
| DN 32             |                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 28                           | 35 x 1,5        | 32                      |                              |                 |               |           |    |      |    |          |      |               |             |               |             |               |           |    |    |          |          |             |                 |            |      |          |            |       |             |            |        |            |      |        |    |  |    |            |      |          |      |    |    |    |    |    |            |      |          |      |        |      |      |    |            |      |          |      |
| DN 40             |                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 32                           | 41 x 1,5        | 38                      |                              |                 |               |           |    |      |    |          |      |               |             |               |             |               |           |    |    |          |          |             |                 |            |      |          |            |       |             |            |        |            |      |        |    |  |    |            |      |          |      |    |    |    |    |    |            |      |          |      |        |      |      |    |            |      |          |      |
| DN 50             | 25                                                                                                                                                                                                           | 64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 46                           | 53 x 1,5        | 50                      |                              |                 |               |           |    |      |    |          |      |               |             |               |             |               |           |    |    |          |          |             |                 |            |      |          |            |       |             |            |        |            |      |        |    |  |    |            |      |          |      |    |    |    |    |    |            |      |          |      |        |      |      |    |            |      |          |      |
| DN 65             |                                                                                                                                                                                                              | 91                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 60                           | 70 x 2          | 66                      |                              |                 |               |           |    |      |    |          |      |               |             |               |             |               |           |    |    |          |          |             |                 |            |      |          |            |       |             |            |        |            |      |        |    |  |    |            |      |          |      |    |    |    |    |    |            |      |          |      |        |      |      |    |            |      |          |      |
| 191<br>192<br>193 | <div><p>1/2"BSP</p><p>BS 4825</p><p>Tri - Clamp</p><p>dM</p><p>D</p><p>For pipes per BS 4825 part 3 or ASME BPE</p></div> | <div><div><div>ASME BPE</div><div>BS4825 - ISO 1127</div></div><div></div><table><tr><th colspan="2"></th><th colspan="2">For tubes according to:</th><th colspan="2">ASME BPE</th><th colspan="2">ISO 1127</th></tr><tr><th>NPS</th><th>DN</th><th>PN bar</th><th>D</th><th>dM</th><th>Tube Male ø</th><th>Tube Female ø</th><th>Tube Male ø</th><th>Tube Female ø</th></tr><tr><td>3/4"</td><td>20</td><td rowspan="3">40</td><td>25,4</td><td>16</td><td>19,05 x 1,2</td><td>16,65</td><td>26,9 x 1,6</td><td>23,7</td></tr><tr><td>1"</td><td>25</td><td>50,5</td><td>21</td><td>25,4 x 1,6</td><td>22,2</td><td>33,7 x 2</td><td>29,7</td></tr><tr><td>1 1/2"</td><td>38</td><td></td><td>30</td><td>38,1 x 1,6</td><td>34,8</td><td>42,4 x 2</td><td>38,4</td></tr><tr><td>2"</td><td>51</td><td rowspan="2">25</td><td>64</td><td>38</td><td>50,8 x 1,6</td><td>47,5</td><td>48,3 x 2</td><td>44,3</td></tr><tr><td>2 1/2"</td><td>63,5</td><td>77,5</td><td>52</td><td>63,5 x 1,6</td><td>60,3</td><td>60,3 x 2</td><td>56,3</td></tr></table></div> |                              |                 | For tubes according to: |                              | ASME BPE        |               | ISO 1127  |    | NPS  | DN | PN bar   | D    | dM            | Tube Male ø | Tube Female ø | Tube Male ø | Tube Female ø | 3/4"      | 20 | 40 | 25,4     | 16       | 19,05 x 1,2 | 16,65           | 26,9 x 1,6 | 23,7 | 1"       | 25         | 50,5  | 21          | 25,4 x 1,6 | 22,2   | 33,7 x 2   | 29,7 | 1 1/2" | 38 |  | 30 | 38,1 x 1,6 | 34,8 | 42,4 x 2 | 38,4 | 2" | 51 | 25 | 64 | 38 | 50,8 x 1,6 | 47,5 | 48,3 x 2 | 44,3 | 2 1/2" | 63,5 | 77,5 | 52 | 63,5 x 1,6 | 60,3 | 60,3 x 2 | 56,3 |
|                   |                                                                                                                                                                                                              | For tubes according to:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              | ASME BPE        |                         | ISO 1127                     |                 |               |           |    |      |    |          |      |               |             |               |             |               |           |    |    |          |          |             |                 |            |      |          |            |       |             |            |        |            |      |        |    |  |    |            |      |          |      |    |    |    |    |    |            |      |          |      |        |      |      |    |            |      |          |      |
| NPS               | DN                                                                                                                                                                                                           | PN bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | D                            | dM              | Tube Male ø             | Tube Female ø                | Tube Male ø     | Tube Female ø |           |    |      |    |          |      |               |             |               |             |               |           |    |    |          |          |             |                 |            |      |          |            |       |             |            |        |            |      |        |    |  |    |            |      |          |      |    |    |    |    |    |            |      |          |      |        |      |      |    |            |      |          |      |
| 3/4"              | 20                                                                                                                                                                                                           | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 25,4                         | 16              | 19,05 x 1,2             | 16,65                        | 26,9 x 1,6      | 23,7          |           |    |      |    |          |      |               |             |               |             |               |           |    |    |          |          |             |                 |            |      |          |            |       |             |            |        |            |      |        |    |  |    |            |      |          |      |    |    |    |    |    |            |      |          |      |        |      |      |    |            |      |          |      |
| 1"                | 25                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 50,5                         | 21              | 25,4 x 1,6              | 22,2                         | 33,7 x 2        | 29,7          |           |    |      |    |          |      |               |             |               |             |               |           |    |    |          |          |             |                 |            |      |          |            |       |             |            |        |            |      |        |    |  |    |            |      |          |      |    |    |    |    |    |            |      |          |      |        |      |      |    |            |      |          |      |
| 1 1/2"            | 38                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                              | 30              | 38,1 x 1,6              | 34,8                         | 42,4 x 2        | 38,4          |           |    |      |    |          |      |               |             |               |             |               |           |    |    |          |          |             |                 |            |      |          |            |       |             |            |        |            |      |        |    |  |    |            |      |          |      |    |    |    |    |    |            |      |          |      |        |      |      |    |            |      |          |      |
| 2"                | 51                                                                                                                                                                                                           | 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 64                           | 38              | 50,8 x 1,6              | 47,5                         | 48,3 x 2        | 44,3          |           |    |      |    |          |      |               |             |               |             |               |           |    |    |          |          |             |                 |            |      |          |            |       |             |            |        |            |      |        |    |  |    |            |      |          |      |    |    |    |    |    |            |      |          |      |        |      |      |    |            |      |          |      |
| 2 1/2"            | 63,5                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 77,5                         | 52              | 63,5 x 1,6              | 60,3                         | 60,3 x 2        | 56,3          |           |    |      |    |          |      |               |             |               |             |               |           |    |    |          |          |             |                 |            |      |          |            |       |             |            |        |            |      |        |    |  |    |            |      |          |      |    |    |    |    |    |            |      |          |      |        |      |      |    |            |      |          |      |
| 20<br>21          | <div><p>1/2"BSP</p><p>VARIVENT</p><p>dM</p><p>d</p></div>                                                                 | <div></div> <table><tr><th>Form</th><th>DN (d)</th><th>PN bar</th><th>suitable for In Line housing</th><th>dM</th></tr><tr><td>F</td><td>50</td><td rowspan="2">25</td><td>DN25</td><td>32</td></tr><tr><td>N</td><td>68</td><td>DN40 - DN125</td><td>48</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Form                         | DN (d)          | PN bar                  | suitable for In Line housing | dM              | F             | 50        | 25 | DN25 | 32 | N        | 68   | DN40 - DN125  | 48          |               |             |               |           |    |    |          |          |             |                 |            |      |          |            |       |             |            |        |            |      |        |    |  |    |            |      |          |      |    |    |    |    |    |            |      |          |      |        |      |      |    |            |      |          |      |
| Form              | DN (d)                                                                                                                                                                                                       | PN bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | suitable for In Line housing | dM              |                         |                              |                 |               |           |    |      |    |          |      |               |             |               |             |               |           |    |    |          |          |             |                 |            |      |          |            |       |             |            |        |            |      |        |    |  |    |            |      |          |      |    |    |    |    |    |            |      |          |      |        |      |      |    |            |      |          |      |
| F                 | 50                                                                                                                                                                                                           | 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DN25                         | 32              |                         |                              |                 |               |           |    |      |    |          |      |               |             |               |             |               |           |    |    |          |          |             |                 |            |      |          |            |       |             |            |        |            |      |        |    |  |    |            |      |          |      |    |    |    |    |    |            |      |          |      |        |      |      |    |            |      |          |      |
| N                 | 68                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DN40 - DN125                 | 48              |                         |                              |                 |               |           |    |      |    |          |      |               |             |               |             |               |           |    |    |          |          |             |                 |            |      |          |            |       |             |            |        |            |      |        |    |  |    |            |      |          |      |    |    |    |    |    |            |      |          |      |        |      |      |    |            |      |          |      |

# SANITARY SEALS

| TYPE           | DRAWING                                                      | DIMENSIONS mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |        |     |       |     |     |     |     |     |     |   |    |     |    |           |      |    |      |    |     |   |     |        |           |      |    |      |    |     |           |      |         |      |    |    |           |     |    |      |    |   |     |    |           |      |    |      |    |    |    |    |           |      |    |      |     |   |     |    |            |      |    |      |     |     |            |      |     |       |     |   |    |     |
|----------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------|-----|-------|-----|-----|-----|-----|-----|-----|---|----|-----|----|-----------|------|----|------|----|-----|---|-----|--------|-----------|------|----|------|----|-----|-----------|------|---------|------|----|----|-----------|-----|----|------|----|---|-----|----|-----------|------|----|------|----|----|----|----|-----------|------|----|------|-----|---|-----|----|------------|------|----|------|-----|-----|------------|------|-----|-------|-----|---|----|-----|
| 22<br>23<br>24 | <div><p><b>DIN 11851</b></p><p><b>IN-LINE SEAL</b></p></div> | <div><table><tr><th>DN</th><th>PN bar</th><th>b</th><th>Q</th><th>d</th><th>d1</th><th>d2</th><th>d3</th><th>e</th><th>f</th><th>L</th></tr><tr><td>20</td><td rowspan="5">40</td><td rowspan="5">14</td><td>Rd 44x1/6</td><td>19.8</td><td>23</td><td>32.8</td><td>53</td><td rowspan="5">3.5</td><td rowspan="3">6</td><td rowspan="3">138</td></tr><tr><td>25</td><td>Rd 52x1/6</td><td>26.2</td><td>30</td><td>39.8</td><td>58</td></tr><tr><td>32</td><td>Rd 58x1/6</td><td>31.8</td><td>36</td><td>45.8</td><td>68</td></tr><tr><td>40</td><td>Rd 65x1/6</td><td>38</td><td>42</td><td>51.8</td><td>78</td><td rowspan="2">7</td><td rowspan="2">140</td></tr><tr><td>50</td><td>Rd 78x1/6</td><td>50.7</td><td>54</td><td>63.8</td><td>88</td></tr><tr><td>65</td><td rowspan="3">20</td><td rowspan="3">16</td><td>Rd 95x1/6</td><td>65.7</td><td>71</td><td>80.8</td><td>100</td><td rowspan="3">8</td><td rowspan="3">116</td></tr><tr><td>80</td><td>Rd 110x1/4</td><td>79.7</td><td>85</td><td>94.8</td><td>116</td></tr><tr><td>100</td><td>Rd 130x1/4</td><td>99.7</td><td>104</td><td>113.8</td><td>138</td><td>4</td><td>10</td><td>120</td></tr></table></div> | DN         | PN bar | b   | Q     | d   | d1  | d2  | d3  | e   | f   | L | 20 | 40  | 14 | Rd 44x1/6 | 19.8 | 23 | 32.8 | 53 | 3.5 | 6 | 138 | 25     | Rd 52x1/6 | 26.2 | 30 | 39.8 | 58 | 32  | Rd 58x1/6 | 31.8 | 36      | 45.8 | 68 | 40 | Rd 65x1/6 | 38  | 42 | 51.8 | 78 | 7 | 140 | 50 | Rd 78x1/6 | 50.7 | 54 | 63.8 | 88 | 65 | 20 | 16 | Rd 95x1/6 | 65.7 | 71 | 80.8 | 100 | 8 | 116 | 80 | Rd 110x1/4 | 79.7 | 85 | 94.8 | 116 | 100 | Rd 130x1/4 | 99.7 | 104 | 113.8 | 138 | 4 | 10 | 120 |
| DN             | PN bar                                                       | b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Q          | d      | d1  | d2    | d3  | e   | f   | L   |     |     |   |    |     |    |           |      |    |      |    |     |   |     |        |           |      |    |      |    |     |           |      |         |      |    |    |           |     |    |      |    |   |     |    |           |      |    |      |    |    |    |    |           |      |    |      |     |   |     |    |            |      |    |      |     |     |            |      |     |       |     |   |    |     |
| 20             | 40                                                           | 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Rd 44x1/6  | 19.8   | 23  | 32.8  | 53  | 3.5 | 6   | 138 |     |     |   |    |     |    |           |      |    |      |    |     |   |     |        |           |      |    |      |    |     |           |      |         |      |    |    |           |     |    |      |    |   |     |    |           |      |    |      |    |    |    |    |           |      |    |      |     |   |     |    |            |      |    |      |     |     |            |      |     |       |     |   |    |     |
| 25             |                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Rd 52x1/6  | 26.2   | 30  | 39.8  | 58  |     |     |     |     |     |   |    |     |    |           |      |    |      |    |     |   |     |        |           |      |    |      |    |     |           |      |         |      |    |    |           |     |    |      |    |   |     |    |           |      |    |      |    |    |    |    |           |      |    |      |     |   |     |    |            |      |    |      |     |     |            |      |     |       |     |   |    |     |
| 32             |                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Rd 58x1/6  | 31.8   | 36  | 45.8  | 68  |     |     |     |     |     |   |    |     |    |           |      |    |      |    |     |   |     |        |           |      |    |      |    |     |           |      |         |      |    |    |           |     |    |      |    |   |     |    |           |      |    |      |    |    |    |    |           |      |    |      |     |   |     |    |            |      |    |      |     |     |            |      |     |       |     |   |    |     |
| 40             |                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Rd 65x1/6  | 38     | 42  | 51.8  | 78  |     | 7   | 140 |     |     |   |    |     |    |           |      |    |      |    |     |   |     |        |           |      |    |      |    |     |           |      |         |      |    |    |           |     |    |      |    |   |     |    |           |      |    |      |    |    |    |    |           |      |    |      |     |   |     |    |            |      |    |      |     |     |            |      |     |       |     |   |    |     |
| 50             |                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Rd 78x1/6  | 50.7   | 54  | 63.8  | 88  |     |     |     |     |     |   |    |     |    |           |      |    |      |    |     |   |     |        |           |      |    |      |    |     |           |      |         |      |    |    |           |     |    |      |    |   |     |    |           |      |    |      |    |    |    |    |           |      |    |      |     |   |     |    |            |      |    |      |     |     |            |      |     |       |     |   |    |     |
| 65             | 20                                                           | 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Rd 95x1/6  | 65.7   | 71  | 80.8  | 100 | 8   | 116 |     |     |     |   |    |     |    |           |      |    |      |    |     |   |     |        |           |      |    |      |    |     |           |      |         |      |    |    |           |     |    |      |    |   |     |    |           |      |    |      |    |    |    |    |           |      |    |      |     |   |     |    |            |      |    |      |     |     |            |      |     |       |     |   |    |     |
| 80             |                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Rd 110x1/4 | 79.7   | 85  | 94.8  | 116 |     |     |     |     |     |   |    |     |    |           |      |    |      |    |     |   |     |        |           |      |    |      |    |     |           |      |         |      |    |    |           |     |    |      |    |   |     |    |           |      |    |      |    |    |    |    |           |      |    |      |     |   |     |    |            |      |    |      |     |     |            |      |     |       |     |   |    |     |
| 100            |                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Rd 130x1/4 | 99.7   | 104 | 113.8 | 138 |     |     | 4   | 10  | 120 |   |    |     |    |           |      |    |      |    |     |   |     |        |           |      |    |      |    |     |           |      |         |      |    |    |           |     |    |      |    |   |     |    |           |      |    |      |    |    |    |    |           |      |    |      |     |   |     |    |            |      |    |      |     |     |            |      |     |       |     |   |    |     |
| 25<br>26<br>27 | <div><p><b>APV-ISS</b></p><p><b>IN-LINE SEAL</b></p></div>   | <div><table><tr><th>DN</th><th>PN psi</th><th>b</th><th>Q</th><th>d</th><th>d1</th><th>d2</th><th>d3</th><th>e</th><th>f</th><th>L</th></tr><tr><td>1"</td><td rowspan="3">600</td><td rowspan="3">17</td><td>1 15/32</td><td>22.5</td><td>—</td><td>29</td><td>—</td><td>2.6</td><td>—</td><td rowspan="3">126</td></tr><tr><td>1 1/2"</td><td>1 63/64</td><td>35.5</td><td>—</td><td>43</td><td>—</td><td>2.6</td><td>—</td></tr><tr><td>2"</td><td>2 17/32</td><td>48.6</td><td>—</td><td>56</td><td>—</td><td>2.6</td><td>—</td><td>100</td></tr></table></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | DN         | PN psi | b   | Q     | d   | d1  | d2  | d3  | e   | f   | L | 1" | 600 | 17 | 1 15/32   | 22.5 | —  | 29   | —  | 2.6 | — | 126 | 1 1/2" | 1 63/64   | 35.5 | —  | 43   | —  | 2.6 | —         | 2"   | 2 17/32 | 48.6 | —  | 56 | —         | 2.6 | —  | 100  |    |   |     |    |           |      |    |      |    |    |    |    |           |      |    |      |     |   |     |    |            |      |    |      |     |     |            |      |     |       |     |   |    |     |
| DN             | PN psi                                                       | b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Q          | d      | d1  | d2    | d3  | e   | f   | L   |     |     |   |    |     |    |           |      |    |      |    |     |   |     |        |           |      |    |      |    |     |           |      |         |      |    |    |           |     |    |      |    |   |     |    |           |      |    |      |    |    |    |    |           |      |    |      |     |   |     |    |            |      |    |      |     |     |            |      |     |       |     |   |    |     |
| 1"             | 600                                                          | 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1 15/32    | 22.5   | —   | 29    | —   | 2.6 | —   | 126 |     |     |   |    |     |    |           |      |    |      |    |     |   |     |        |           |      |    |      |    |     |           |      |         |      |    |    |           |     |    |      |    |   |     |    |           |      |    |      |    |    |    |    |           |      |    |      |     |   |     |    |            |      |    |      |     |     |            |      |     |       |     |   |    |     |
| 1 1/2"         |                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1 63/64    | 35.5   | —   | 43    | —   | 2.6 | —   |     |     |     |   |    |     |    |           |      |    |      |    |     |   |     |        |           |      |    |      |    |     |           |      |         |      |    |    |           |     |    |      |    |   |     |    |           |      |    |      |    |    |    |    |           |      |    |      |     |   |     |    |            |      |    |      |     |     |            |      |     |       |     |   |    |     |
| 2"             |                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2 17/32    | 48.6   | —   | 56    | —   | 2.6 | —   |     | 100 |     |   |    |     |    |           |      |    |      |    |     |   |     |        |           |      |    |      |    |     |           |      |         |      |    |    |           |     |    |      |    |   |     |    |           |      |    |      |    |    |    |    |           |      |    |      |     |   |     |    |            |      |    |      |     |     |            |      |     |       |     |   |    |     |

# SANITARY SEALS

| TYPE           | DRAWING                                                                                                  | DIMENSIONS mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |        |     |     |    |    |     |    |    |      |      |      |    |           |        |      |    |      |      |     |        |     |           |      |      |      |    |    |      |      |           |      |    |      |     |     |     |
|----------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|-----|-----|----|----|-----|----|----|------|------|------|----|-----------|--------|------|----|------|------|-----|--------|-----|-----------|------|------|------|----|----|------|------|-----------|------|----|------|-----|-----|-----|
| 28<br>29<br>30 | <div>SMS</div>          |  <table><tr><th>DN</th><th>PN bar</th><th>b</th><th>Q</th><th>d</th><th>d1</th><th>d2</th><th>d3</th><th>e</th><th>L</th></tr><tr><td>1"</td><td rowspan="3">40</td><td>11</td><td>Rd 40x1/6</td><td>22.5</td><td>25</td><td>32</td><td>48</td><td rowspan="3">3</td><td>126</td></tr><tr><td>1 1/2"</td><td>15</td><td>Rd 60x1/6</td><td>35.5</td><td>38</td><td>48</td><td>68</td><td></td></tr><tr><td>2"</td><td></td><td>Rd 70x1/6</td><td>48.6</td><td>51</td><td>61</td><td>78</td><td>100</td></tr></table>                                                                                                     | DN        | PN bar | b   | Q   | d  | d1 | d2  | d3 | e  | L    | 1"   | 40   | 11 | Rd 40x1/6 | 22.5   | 25   | 32 | 48   | 3    | 126 | 1 1/2" | 15  | Rd 60x1/6 | 35.5 | 38   | 48   | 68 |    | 2"   |      | Rd 70x1/6 | 48.6 | 51 | 61   | 78  | 100 |     |
| DN             | PN bar                                                                                                   | b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Q         | d      | d1  | d2  | d3 | e  | L   |    |    |      |      |      |    |           |        |      |    |      |      |     |        |     |           |      |      |      |    |    |      |      |           |      |    |      |     |     |     |
| 1"             | 40                                                                                                       | 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Rd 40x1/6 | 22.5   | 25  | 32  | 48 | 3  | 126 |    |    |      |      |      |    |           |        |      |    |      |      |     |        |     |           |      |      |      |    |    |      |      |           |      |    |      |     |     |     |
| 1 1/2"         |                                                                                                          | 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Rd 60x1/6 | 35.5   | 38  | 48  | 68 |    |     |    |    |      |      |      |    |           |        |      |    |      |      |     |        |     |           |      |      |      |    |    |      |      |           |      |    |      |     |     |     |
| 2"             |                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Rd 70x1/6 | 48.6   | 51  | 61  | 78 |    | 100 |    |    |      |      |      |    |           |        |      |    |      |      |     |        |     |           |      |      |      |    |    |      |      |           |      |    |      |     |     |     |
|                | IN-LINE SEAL                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |        |     |     |    |    |     |    |    |      |      |      |    |           |        |      |    |      |      |     |        |     |           |      |      |      |    |    |      |      |           |      |    |      |     |     |     |
| 31<br>32<br>33 | <div>TRI-CLAMP</div>  |  <table><tr><th>DN</th><th>PN bar</th><th>d</th><th>d1</th><th>d2</th><th>d3</th><th>L</th></tr><tr><td>1"</td><td rowspan="6">40</td><td>22.5</td><td rowspan="2">43.5</td><td rowspan="2">50.5</td><td rowspan="2">54</td><td rowspan="2">126</td></tr><tr><td>1 1/2"</td><td>35.5</td></tr><tr><td>2"</td><td>48.6</td><td>56.5</td><td>64</td><td>78</td><td rowspan="4">100</td></tr><tr><td>2 1/2"</td><td>59.7</td><td>70.6</td><td>77.4</td><td>92</td></tr><tr><td>3"</td><td>65.7</td><td>83.5</td><td>91</td><td>98</td></tr><tr><td>4"</td><td>99.7</td><td>110</td><td>119</td><td>133</td></tr></table> | DN        | PN bar | d   | d1  | d2 | d3 | L   | 1" | 40 | 22.5 | 43.5 | 50.5 | 54 | 126       | 1 1/2" | 35.5 | 2" | 48.6 | 56.5 | 64  | 78     | 100 | 2 1/2"    | 59.7 | 70.6 | 77.4 | 92 | 3" | 65.7 | 83.5 | 91        | 98   | 4" | 99.7 | 110 | 119 | 133 |
| DN             | PN bar                                                                                                   | d                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | d1        | d2     | d3  | L   |    |    |     |    |    |      |      |      |    |           |        |      |    |      |      |     |        |     |           |      |      |      |    |    |      |      |           |      |    |      |     |     |     |
| 1"             | 40                                                                                                       | 22.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 43.5      | 50.5   | 54  | 126 |    |    |     |    |    |      |      |      |    |           |        |      |    |      |      |     |        |     |           |      |      |      |    |    |      |      |           |      |    |      |     |     |     |
| 1 1/2"         |                                                                                                          | 35.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           |        |     |     |    |    |     |    |    |      |      |      |    |           |        |      |    |      |      |     |        |     |           |      |      |      |    |    |      |      |           |      |    |      |     |     |     |
| 2"             |                                                                                                          | 48.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 56.5      | 64     | 78  | 100 |    |    |     |    |    |      |      |      |    |           |        |      |    |      |      |     |        |     |           |      |      |      |    |    |      |      |           |      |    |      |     |     |     |
| 2 1/2"         |                                                                                                          | 59.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 70.6      | 77.4   | 92  |     |    |    |     |    |    |      |      |      |    |           |        |      |    |      |      |     |        |     |           |      |      |      |    |    |      |      |           |      |    |      |     |     |     |
| 3"             |                                                                                                          | 65.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 83.5      | 91     | 98  |     |    |    |     |    |    |      |      |      |    |           |        |      |    |      |      |     |        |     |           |      |      |      |    |    |      |      |           |      |    |      |     |     |     |
| 4"             |                                                                                                          | 99.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 110       | 119    | 133 |     |    |    |     |    |    |      |      |      |    |           |        |      |    |      |      |     |        |     |           |      |      |      |    |    |      |      |           |      |    |      |     |     |     |
|                | IN-LINE SEAL                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |        |     |     |    |    |     |    |    |      |      |      |    |           |        |      |    |      |      |     |        |     |           |      |      |      |    |    |      |      |           |      |    |      |     |     |     |

## "ALL STAINLESS" PRESSURE GAUGES FOR HOMOGENISERS

TYPE

DRAWING

DIMENSIONS mm

PBR

01

02

width 18

x

x2

x1

d

k

Flush diaphragm

| Flange  | PN   | x  | x1   | x2 | d    | k  | Flange                          |
|---------|------|----|------|----|------|----|---------------------------------|
| With    | 1000 | 89 | 12.3 | 10 | 23.8 | 35 | 95x43x28, holes ø17mm, pitch 60 |
| Without |      |    |      |    |      |    |                                 |

PBT

01

02

03

g

x

x1

L

s

d

Finger Type male connection

| DN    | PN bar | x  | x1 | L   | g     | d  | s | HEX |
|-------|--------|----|----|-----|-------|----|---|-----|
| ½"BSP | 1000   | 55 | 20 | 102 | ½"BSP | 13 | 6 | 27  |
| ¾"BSP |        | 55 | 27 |     |       |    |   | 36  |
| 1"BSP |        | 56 | 21 |     |       |    |   | 41  |

04

05

06

h

h1

h2

L

d1

d2

s

d

Finger Type female connection

| DN     | PN bar | h  | h1 | h2 | L   | d  | d1 | d2 | s | HEX |
|--------|--------|----|----|----|-----|----|----|----|---|-----|
| ¾"BSP  | 1000   | 15 | 25 | 30 | 112 | 13 | 15 | 20 | 6 | 32  |
| 1"BSP  |        | 19 |    |    |     |    |    |    |   | 41  |
| 1¼"BSP |        | 19 |    |    |     |    |    |    |   | 50  |